

José Fernando SIMANCAS CABRERA (abbreviated CV)



I - Personal data

Born in Ciudad Real (Spain), May 1953.

Present profesional position:

Professor at the Department of Geodynamics of the University of Granada (Spain).

II - Academic career

Pre-doctoral formation:

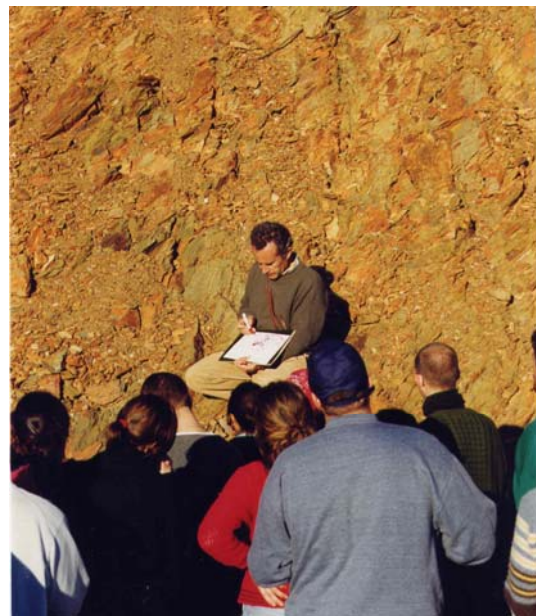
- Graduated in Geological Sciences by the University of Granada, 1975.
- Mining prospector, GEOTECNICA S.A, 1975-76.
- Master Thesis (Geología y metalogenia del distrito minero de Aznalcóllar), 1976.
- Ph.D. Thesis entitled "Geología de la extremidad oriental de la Zona Sudportuguesa", University of Granada, 1983.

Academic positions:

- Profesor Ayudante, Department of Geodynamics, University of Granada, 1978-1983.
- Profesor Asociado, University of Granada, 1983-1986.
- Profesor Titular, University of Granada, 1986-2003.
- Catedrático since 2003.
- Head of the Department of Geodynamics, since 2008.

Teaching experience:

Teaching experience in Structural Geology, Tectonics, Mining Geology and Geology of Spain.



III - Research

Research fields of interest:

- Structural Geology and Tectonics.
- Crustal Structure (combined geologic, deep-seismic and gravimetric studies).
- Regional Geology of the Variscan Belt, the Late Proterozoic of Europe and northern Africa, and the Betic Cordillera.



A selection of 20 papers:

- Azor, A., González Lodeiro, F. & **Simancas, J.F.** (1994). Tectonic evolution of the Boundary between the Central Iberian and Ossa-Morena Zones (Variscan Belt, SW Spain). *Tectonics*, 13, 45-61.
- Simancas, J.F.**, Galindo Zaldívar, J. & Azor, A. (2000). Three dimensional shape and emplacement of the Cardenchoa deformed pluton (Variscan Orogen, southwestern Iberian Massif). *Journal of Structural Geology*, 22, 489-503.
- Simancas, J.F.**, Martínez Poyatos, D., Expósito, I., Azor, A & González Lodeiro, F. (2001). The structure of a major suture zone in the SW Iberian Massif: the Ossa Morena / Central Iberian Contact. *Tectonophysics*, 332, 295-308.
- Simancas, J.F.**, Expósito Ramos, I., Martínez Poyatos, D.J., Azor, A. and González Lodeiro, F. (2002). Opposite subduction polarities connected by transform faults in the Iberian Massif and west-European Variscides. In Martínez Catalán, J.R., Hatcher, R.D., Jr., Arenas, R. and Díaz García, F., eds., Variscan-Appalachian dynamics: The building of the late Paleozoic basement. Boulder, Colorado, *Geological Society of America Special Paper* 364, 253-262.

- Expósito Ramos, I, **Simancas, J.F.**, González Lodeiro, F., Bea, F., Montero, P. and Salman, K. (2003). Metamorphic and deformational imprint of the Cambrian – Lower Ordovician preorogenic rifting in the Ossa-Morena Zone (Iberian Massif, Spain). *Journal of Structural Geology* **25**, 2077-2087.
- Simancas, J. F.**, R. Carbonell, F. González Lodeiro, A. Pérez Estaún, C. Juhlin, P. Ayarza, A. Kashubin, A. Azor, D. Martínez Poyatos, G.R. Almodóvar, E. Pascual, R. Sáez and I. Expósito (2003). The Crustal Structure of the Transpressional Variscan Orogen of SW Iberia: The IBERSEIS Deep Seismic Reflection Profile. *Tectonics* **22**, 6, 1062, DOI:10.1029/2002TC001479, 2003.
- Carbonell, R., **Simancas, J. F.**, Juhlin, C., Pous, J., Pérez Estaún, A., González Lodeiro, F., Muñoz, G., Heise, W., Ayarza, P. (2004). Geophysical Evidence of a Mantle Derived Intrusion in SW Iberia. *Geophysical Research Letters* **31**, L11601, doi:10.1029/2004GL019684.
- Simancas, J.F.**, Tahiri, A., Azor, A., González Lodeiro, F., Martínez Poyatos, D., El Hadi, H. (2005). The tectonic frame of the Variscan-Alleghanian Orogen in Southern Europe and Northern Africa. *Tectonophysics* **398**, 181-198.
- El Hadi, H., **Simancas, J.F.**, Tahiri, A., González Lodeiro, F., Azor, A., Martínez Poyatos, D. (2006). Magmatic zonation of the Variscan orogen. A comparison between the granitoids of Morocco and Iberia. *Geodinamica Acta* **19/2** 103-116.
- Flecha, I., Carbonell, R., Zeyen, H., Martí, D., Palomeras, I., **Simancas, J.F.**, Pérez-Estaún, A. (2006). Imaging granitic plutons along the IBERSEIS profile. *Tectonophysics* **420**, 37-47.
- Simancas, J.F.**, Carbonell, R., González Lodeiro, F., Pérez Estaún, A., Juhlin, C., Ayarza, P., Kashubin, A., Azor, A., Martínez Poyatos, D., Sáez, R., Almodóvar, G.R., Pascual, E., Flecha, I., Martí, D. (2006). Transpressional collision tectonics and mantle plume dynamics: the Variscides of southwestern Iberia. En: Gee, D.G. & Stephenson, R.A. (eds) 2006. European Lithosphere Dynamics. *Geological Society London, Memoirs*, **32**, 345-354.
- Booth-Rea, G., **Simancas, J.F.**, Azor, A., Azañón, J.M., González-Lodeiro, F., Fonseca, P. (2006). HP-LT Variscan metamorphism in the Cubito schists (Ossa-Morena Zone, southern Iberia). *C. R. Geoscience* **338**, 1260-1267.
- Schmelzbach, C., Juhlin, C., Carbonell, C., **Simancas, J.F.** (2007). Prestack and poststack migration of crooked-line reflection-seismic data: A case study from the South Portuguese Zone fold belt, SW Iberia. *Geophysics* **72**, B9-B18, doi:10.1190/1.2407267.
- Tahiri, A., **Simancas, J.F.**, Azor, A., Galindo-Zaldívar, J., González Lodeiro, F., El Hadi, H., Martínez Poyatos, D., Ruiz Constán, A. (2007). Emplacement of ball-shaped (diapiric?) granite: structural and gravimetric analysis of the Oulmès granite (Variscan Meseta, Morocco). *Journal of African Earth Sciences* **48**, 301-313.
- Schmelzbach, C., **Simancas, J.F.**, Juhlin, C., Carbonell, R. (2008). Seismic-reflection imaging over the South Portuguese Zone Fold-and-thrust belt, SW Iberia. *J. Geophys. Res.* **113**, B08301, doi:10.1029/2007JB005341.
- Azor, A., Rubatto, D., **Simancas, J.F.**, González Lodeiro, F., Martínez Poyatos, D., Martín Parra, L., Mata, J. (2008). SHRIMP U-Pb Zircon ages question

- the existence of Rheic Ocean ophiolitic remnants in Southern Iberia. *Tectonics* 27, TC5006, doi:10.1029-2008TC002306.
- Flecha, I., Palomeras, I., Carbonell, R., **Simancas, J.F.**, Ayarza, P., Matas, J., González Lodeiro, F., Pérez Estaún, A. (2008). Seismic imaging and modelling of the lithosphere of SW-Iberia. *Tectonophysics* doi:10.1016/j.tecto.2008.05.033.
- Palomeras, I., Carbonell, R., Flecha, I., **Simancas, J.F.**, Ayarza, P., Matas, J., Martínez Poyatos, D., Azor, A., González Lodeiro, F., Pérez Estaún, A. (2009). Nature of the Lithosphere across the Variscan orogen of SW Iberia: Dense wide-angle seismic reflection data. *J. Geophys. Res.* 114, B02302, doi:10.1029/2007JB005050.
- Simancas, J.F.**, Azor, A., Martínez Poyatos, D., Tahiri, A., El Hadi, H., González Lodeiro, F., Pérez Estaún, A., Carbonell, R. (2009). Relationships of Southwest Iberia with the allochthons of Northwest Iberia and the Moroccan Variscides. *C.R. Geosciences* **341**, 103-113, DOI: 10.1016/j.crte.2008.11.003.
- El Hadi, H., **Simancas, J.F.**, Martínez Poyatos, D., Azor, A., Tahiri, A., Montero, P., Fanning, C.M., Bea, F., González Lodeiro, F. (2010). Structural and geochronological constraints on the evolution of the Bou Azzer Neoproterozoic ophiolite (Anti-Atlas, Morocco). *Precambrian Research* **182**, 1-14, doi:10.1016/j.precamres.2010.06.011