Curriculum Vitæ of Susana Custódio

January 21, 2011

Full Name:	Susana Inês da Silva Custódio
Born:	February 22^{nd}, 1979; Lisbon, Portugal.
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Academic Appointments

Assistant Researcher at Instituto Geofísico, University of Coimbra, Portugal	2008 – 2013
Visiting Researcher at the Institute for Crustal Studies, UCSB, USA	2008

Awards, Honors and Fellowships

Marie Curie Grant Recipient, FP7 People IRG	2009 – 2014
Graduate Award for Research Excellence, Dept. of Earth Science, UCSB	2007
Outstanding Student Paper Award, AGU Fall Meeting	2006
Student Presentation Award, SSA Annual Meeting	2006
Graduate Award for Geophysics, Department of Earth Science, UCSB	2005
Graduate Scholarship from the Portuguese Foundation for Science and Technology, Earth Sciences (SFRH/BD/14353/2003)	2003 – 2007
Young Scientist Research Award – Physics and Environment, Calouste Gulbenkian Foundation, Lisbon	2002

Education

PhD	Geological Sciences University of California, Santa Barbara, USA GPA: 4.0/4.0	Sep. 2003 — Dec 2007
Licenciatura	Physics Engineering Instituto Superior Técnico, Lisbon, Portugal Final Average: 17/20	Sep. 1997 — Jul. 2002

PhD Thesis

Title: Earthquake Rupture and Ground-Motion: The 2004 M_W6.0 Parkfield Earthquake
Committee: Prof. R. J. Archuleta, Prof. Toshiro Tanimoto, Prof. Chen Ji, Dr. Jamie Steidl

Licenciatura Thesis

Title: Diurnal and Semi-diurnal Modulation of Seismic Noise in Fogo Island, Cape Verde
Supervisor: Prof. J. Fonseca
Thesis Grade: 19/20

Research Experience

Assistant Researcher 2008 – present	Centro de Geofísica da Universidade de Coimbra, Portugal Seismic Instrumentation, Real-Time Seismology History of Seismology
Visiting Researcher 2008	Institute for Crustal Studies, UCSB, USA Co-Seismic Finite-Fault Inversions, Combination of GPS and Seismic Data in Co-Seismic Studies
Graduate Researcher 2003 – 2007	Institute for Crustal Studies, UCSB, USA Earthquake Source Kinematics and Dynamics, Finite-Fault Inversions, Site Effects, Seismic Hazard, Uncertainty in Geophysical Inverse Problems
Visiting Trainee 2003	US Geological Survey, Menlo Park, CA, USA Volcano Seismology, Harmonic Tremor, Tidal Modulation)
Trainee 2001 – 2003	ICIST, Inst. Superior Técnico, Lisbon, Portugal Seismic Instrumentation, Volcano Seismology

Teaching Experience

Teaching Assistant	Thermodynamics	UCSB	Fall	2006
Graduate Mentor	Seismic Hazard Analysis	UCSB	Summer	2006
Teaching Assistant	Natural Disasters	UCSB	Winter	2005
Teaching Assistant	Seismology	UCSB	Winter	2004

Supervising Experience

Research Supervisor — Ana Lúcia N. A. S. Domingues, MSc
November 2010 – present, IST — Moment Tensor Inversion

MSc Supervisor — Ana Lúcia N. A. S. Domingues, masters student
April 2009 – November 2010, IST — Moment Tensor Inversion

Research Supervisor — João M. F. Narciso, masters student
April 2009 – March 2010, FCTUC — Real-Time Seismology, History of Seismology, Seismic Instrumentation

Graduate Mentor — Johanna Vasquez, high school student
Summer 2006, UCSB — Seismic Hazard Analysis

Scientific Projects

1. Team Member — 36 months (2010 – 2013)
   SCENE: Site Condition Evaluation for National Seismic Hazard Estimation
   Funded by the Fundação para a Ciência e Tecnologia (FCT), Portugal.
   PTDC/CTE-GIX/103032/2008.

2. Team Member — 36 months (2010 – 2013)
   WILAS: West Iberia Lithosphere and Astenosphere Structure
   Funded by the Fundação para a Ciência e Tecnologia (FCT), Portugal.
   PTDC/CTE-GIX/097946/2008.

3. Principal Investigator — 48 months (2009 – 2014)
   ART-SEIS: Automated Real-Time broad band SEISmology in the azores-gibraltar region
   Funded by Framework Program 7 – Marie Curie (FP7), EU.
   PIRG03-GA-2008-230922

4. Team Member — 48 months (2008 – 2012)
   MIA-VITA: MItigate and Assess risk from Volcanic Impact on Terrain and human Activities
   Funded by Framework Program 7 – Collaborative Projects (FP7), EU.

5. Research Assistant — 36 months (2005 – 2008)
   Resolution, Robustness and Dynamics Based on Inversions of Seismic and Geodetic Data of the 2004 Parkfield Earthquake.
   Funded by the National Science Foundation (NSF), USA.

6. Research Assistant — 24 months (2005 – 2007)
   Inversion of Seismic and Geodetic Data from the 2004 Parkfield Earthquake.
   Funded by the Southern California Earthquake Center (SCEC), USA.

7. Trainee (Bolseiro de Iniciação Científica) — 18 months (2002 – 2003)
   TagusNet: Instrumental Study of the Active Faulting in the Lower Tagus Valley.

Funded by the Fundação para a Ciência e Tecnologia (FCT), Portugal.
POCTI CTA/32720/2000

Publications in Peer-Reviewed Journals

Total of 101 citations on ISI WoK as of January 21, 2011.

1. Custódio, S., M. T. Page, and R. J. Archuleta (2009). Constraining earthquake source inversions with GPS data 2: A two-step approach to combine seismic and geodetic datasets. *Journal of Geophysical Research*, 114, B01315, doi:10.1029/2008JB005746.

2. Page, M. T., S. Custódio, R. J. Archuleta, and J. M. Carlson (2009). Constraining earthquake source inversions with GPS data 1: Resolution based removal of artifacts. *Journal of Geophysical Research*, 114, B01314, doi:10.1029/2007JB005449.

3. Ma, S., S. Custódio, R. J. Archuleta, and P. Liu (2008). Dynamic modeling of the 2004 M_w6.0 Parkfield, California, earthquake. *Journal of Geophysical Research*, 113, B02301, doi:10.1029/2007JB005216.

4. Custódio, S., and R. J. Archuleta, (2007). Parkfield earthquakes: Characteristic or complementary? *Journal of Geophysical Research*, 112, B05310, doi:10.1029/2006JB00 4617.

5. Liu, P., S. Custódio, and R. J. Archuleta (2006). Kinematic inversion of the 2004 M_w6.0 Parkfield earthquake including an approximation to site effects. *Bulletin of the Seismological Society of America*, vol. 96, no. 4B, pp. S143-S158, doi:10.1785/0120050826.

6. Custódio, S., P. Liu, and R. J. Archuleta (2005). The 2004 M_w6.0 Parkfield, California, earthquake: Inversion of near-source ground motion using multiple data sets. *Geophysical Research Letters*, vol. 32, L23312, doi:10.1029/2005GL024417.

7. Custódio, S., J. F. B. D. Fonseca, N. F. d'Oreye, B. V. E. Faria, and Z. Bandomo (2003). Tidal modulation of seismic noise and volcanic tremor. *Geophysical Research Letters*, vol. 30 (15), doi: 10.1029/2003GL016991 .

Book Reviews

1. "Earthquakes and Tsunamis in the Past – A Guide to Techniques in Historical Seismology', by Emanuela Guidoboni and John E. Ebel, Cambridge University Press, 2009; to be published in: Pure Appl. Geophys..

2. "The 1755 Lisbon Earthquake: Revisited", eds. Luiz A. Mendes-Victor, Carlos Sousa Oliveira, João Azevedo, and António Ribeiro, Geotechnical, Geological and Earthquake Engineering Series, vol. 7, Springer, 2009; to be published in: Pure Appl. Geophys. 167 (2010).

3. "Introduction to Planetary Sciences: The Geological perspective", by G. Faure and T.M.Mensing, Springer, 2007; in: Pure Appl. Geophys. 166 (2009): 2111-2113.

4. "Fundamentals of Physical Volcanology", by Elisabeth A. Parfitt and Lionel Wilson, Blackwell Publishing, 2008; in: Pure Appl. Geophys. 165 (2008): 1968-1969.

Invited Talks

1. Custódio, S. (2010). Earthquake Source Models: What Can They Tell Us? DEGGE, Faculdade de Ciências da Universidade de Lisboa, Lisboa, Portugal.

2. Custódio, S., R. J. Archuleta, P. Liu, and M. T. Page (2009). On the Nature of Parkfield Characteritic Earthquakes. CGE, Universidade de Évora, Évora, Portugal.

3. Custódio, S., R. J. Archuleta, P. Liu, M. T. Page, and S. Ma (2008). Earthquake Rupture and Ground-Motion: The 2004 Mw6 Parkfield, California, Earthquake. ICIST, Instituto Superior Técnico, Lisbon, Portugal.

4. Custódio, S., M. T. Page, P. Liu, and R. J. Archuleta (2008). A Two-Step Approach for Combining GPS and Seismic Data in Kinematic Inversions. Harvard University, Cambridge, MA, USA.

5. Custódio, S., P. Liu, S. Ma, M. T. Page, and R. J. Archuleta (2008). Earthquake Source Physics: Using Ground-Motion to Image Earthquake Ruptures. CNSI Scientific Computing Series, University of California, Santa Barbara, CA, USA.

6. Custódio, S., M. T. Page, P. Liu, and R. J. Archuleta (2008). A Two-Step Approach for Combining GPS and Seismic Data in Kinematic Inversions. Earthquake Physics Seminar, University of Southern California, Los Angeles, CA, USA.

7. Custódio, S., M. T. Page, and R. J. Archuleta (2007). Integrating GPS and Seismic Data in Earthquake Source Inversions. *EOS Trans. AGU, 88(52), Fall Meet. Suppl., Abstract G23A-01.* Fall Meeting of the American Geophysical Union, San Francisco, CA, USA.

Conference Presentations

1. Dias, N. A., F. Carrilho, C. Haberland, J. Fonseca, M. Bezzeghoud, S. Custódio, A. Villaseñor, C. Neves, R. Fernandes, and the WILAS Team (2010). Closing the Seismic Coverage on Western Iberia: Project WILAS. *Geophysical Research Abstracts, Vol. 13, EGU2011-3807, 2011*, EGU General Assembly 2011, Vienna, Austria, 2011.

2. Custódio, S., and S. Cesca (2010). The Kiwi Tools: Kinematic Inversion of a Regional Earthquake and Robustness Analysis. *7º Simpósio da Associação Portuguesa de Meteorologia e Geofísica*, Setúbal, Portugal, March 28–30, 2011.

3. Domingues, A., S. Custódio (2), and S. Cesca (2010). Application of the Kiwi Tools to Regional Earthquakes in Southwest Iberia. *7º Simpósio da Associação Portuguesa de Meteorologia e Geofísica*, Setúbal, Portugal, March 28–30, 2011.

4. Dias, N. A., F. Carrilho, C. Haberland, J. Fonseca, S. Custódio, B. Caldeira, A. Villaseñor, and the WILAS team (2010). Project WILAS West Iberia Lithosphere and Astenosphere Structure. *7º Simpósio da Associação Portuguesa de Meteorologia e Geofísica*, Setúbal, Portugal, March 28–30, 2011.

5. Antunes, F., J. Narciso, F. C. Lopes, S. Custódio, J. Battló, D. Martins, P. Ribeiro, and C. R. Gomes (2010). Outreach and Education at the Geophysical Institute of the University of Coimbra. *7º Simpósio da Associação Portuguesa de Meteorologia e Geofísica*, Setúbal, Portugal, March 28–30, 2011.

6. Batlló, J., S. Custódio, J. Narciso, P. Ribeiro, F. Lopes, D. Martins, and C. Gomes (2010). The Collection of Historical Instruments of the Geophysics Institute of the Coimbra University: Its Importance for Present Research and Science Education. *XXIX Scientific Instrument Symposium*, Florence, Italy, October 4–9, 2010.

7. Custódio, S., and S. Cesca (2010). Historical Seismographs and Application of the Kiwi Tools: Kinematic Study of the 2007 Mw 5.9 Horseshoe Abyssal Plain, SW Iberia, Earthquake. *32nd General Assembly of the European Seismological Commission*, Montpellier, France, September 6–10, 2010 (Abstract book, pp. 107).

8. Custódio, S., S. Cesca, A. Domingues, and NEAREST/WP3 Working Group (2010). Moment Tensor Inversion of Regional Earthquakes Using the Kiwi Tools: Results for SW Iberia and Adjacent Offshore. *32nd General Assembly of the European Seismological Commission*, Montpellier, France, September 6–10, 2010 (Abstract book, pp. 92).

9. Custódio, S., J. Narciso, J. Batlló, F. Lopes, D. Martins, P. Ribeiro, and C. Gomes (2010). Historical Seismographs and Seismograms at the Geophysical Institute of the University of Coimbra. Its importance for present research. *32nd General Assembly of the European Seismological Commission*, Montpellier, France, September 6–10, 2010 (Abstract book, pp. 52).

10. Dias, N., C. Corela, P. Alves, H. Ferreira, F. Carrilho, C. Haberland, S. Custódio, J. Fonseca, B. Caldeira, and A. Villaseor (2010). Project WILAS West Iberia Lithosphere and Astenosphere Structure: completing the coverage on Western Iberia. *32nd General Assembly of the European Seismological Commission*, Montpellier, France, September 6–10, 2010 (Abstract book, pp. 167).

11. Narciso, J., S. Custódio, J. Batlló, F. C. Lopes, D. R. Martins, C. R. Gomes, and P. Ribeiro (2010). Historical Seismology at the Geophysical Institute of the University of Coimbra. *VIII Congresso Nacional de Geologia*, Braga, Portugal, July 9–16, 2010 (e-Terra, Vol. 15, nr 5).

12. Page, M., S. Custódio, R. Archuleta, J. Carlson, M. Mai, and D. Schorlemmer (2010). Quantifying Uncertainty in Earthquake Source Inversions. *3rd USGS Modeling Conference*, Broomfield, Colorado, June 7–11, 2010.

13. Custódio, S., S. Cesca, and A. Domingues (2010). Moment Tensor Inversion Using the Kiwi Tools: Application to Regional Seismicity in Portugal. *Geophysical Research Abstracts, Vol. 12, EGU2010-0, 2010*, EGU General Assembly 2010, Vienna, Austria, May 2–7, 2010.

14. Domingues A., S. Cesca, S. Custódio, J. Fonseca, and A. Rimi (2010). Application of the Kiwi tools in southwest Iberia. *Rencontre Internationale sur les aléas séismiques – Sismo 2010*, Agadir, Morocco, February 26–28, 2010.

15. Domingues, A., S. Cesca, and S. Custódio (2009). Application of the Kiwi tools in southwest Iberia. *Workshop on Point and Kinematic Source Inversion Using the KIWI Tools*, University of Hamburg, Germany, November 19–20, 2009.

16. Narciso, J., H. Ferreira, B. Faria, S. Custódio, Y. Omar, S. Heleno, J. Fonseca, and S. Day (2009). Terra Viva - A network of seismometers in schools of Fogo Island, Cape Verde. *Disaster Risk Reduction for Natural Hazards: Putting Research into Practice*, University College London, United Kingdom, November 4–6, 2009.

17. Custódio, S., and R. Archuleta (2009). Parkfield Earthquakes: "Characteristic" or Complementary? *UNESCO-RELEMR Workshop on Seismicity and Earthquake Engineering in the Extended Mediterranean*, Lisbon, Portugal, October 26–29, 2009.

18. Custódio, S., and Y. Omar (2009). SiW – MIA-VITA Project: Network of Schools for Monitoring the Volcano in Fogo Island, Cape Verde, 2009-2010. *International Seminar on Volcanic Risk Mitigation*, Fogo Island, Cape Verde, June 20–25, 2009.

19. Custódio, S., J. Batlló, J. Narciso, F. C. Lopes, C. R. Gomes, D. R. Martins, P. Ribeiro (2009). Seismic Instrumentation at the Geophysical Institute of the University of Coimbra. *International Conference on Geological Collections and Museums*, Coimbra, Portugal, June 5–6, 2009.

20. Custódio, S., J. Batlló, J. Narciso, F. C. Lopes, C. R. Gomes, D. R. Martins, P. Ribeiro (2009). Historical Seismograms at the Geophysical Institute of the University of Coimbra. *International Conference on Geological Collections and Museums*, Coimbra, Portugal, June 5–6, 2009.

21. Batlló, J., S. Custódio, D. R. Martins, C. R. Gomes, F. C. Lopes, J. Narciso, and P. Ribeiro (2009). Historical Magnetograms of the Geophysical Institute of the University of Coimbra and New Possibilities to Use Them. *International Conference on Geological Collections and Museums*, Coimbra, Portugal, June 5–6, 2009.

22. Custódio, S., A. Domingues, and J. Narciso (2009). ART-SEIS: A Project for Real-Time Seismology in Portugal. *31st Course of the International School of Geophysics – International Workshop on Real Time Seismology: Rapid Characterization of the Earthquake Source and of its Effects*, Erice, Italy, May 2–8, 2009.

23. Custódio, S. and R. J. Archuleta (2009). Parkfield Earthquakes: Characteristic or Complementary? *2nd International Seminar on Prediction of Earthquakes*, Lisbon, Portugal, Apr. 29–30, 2009.

24. Custódio, S., J. Schmedes, and R. J. Archuleta (2009). Investigation of Ground Acceleration During the 2004 M6.0 Parkfield, California, Earthquake Based on Isochrones. *Seismological Research Letters*, vol. 80(2), pp 354.

25. Custódio, S., and J. F. B. D. Fonseca (2009). Broadband Seismic Study of Western Iberia and Offshore Atlantic. *Seismological Research Letters*, vol. 80(2), pp 322.

26. Custódio, S., M. T. Page, and R. J. Archuleta (2009). Combining Different Datasets in Earthquake Source Inversions. *6º Simpósio da Associação Portuguesa de Meteorologia e Geofísica*, Caparica, Portugal, Mar. 16–19, 2009.

27. Custódio, S., M. T. Page, and R. J. Archuleta (2007). A New Approach for Combining GPS and Seismic Data in Kinematic Inversions. *EOS Trans. AGU, 88(52), Fall Meet. Suppl., Abstract S53C-05.*

28. Page, M. T., S. Custódio, R. J. Archuleta, and J. M. Carlson, (2007). Using Resolution Information to Remove Artifacts from GPS Inversions. *EOS Trans. AGU, 88(52), Fall Meet. Suppl., Abstract S51B-0499.*

29. Archuleta, R. J., P. Liu, S. Custódio, and M. T. Page (2007). Improving on Inversions for Kinematic Parameters of the Earthquake Source . *EOS Trans. AGU, 88(52), Fall Meet. Suppl., Abstract S53C-02.*

30. Custódio, S., M. T. Page, K. Larson, and R. J. Archuleta (2007). Combining Different Datasets to Obtain a Rupture Model: The 2004 M6.0 Parkfield, California, Earthquake. *Seismological Research Letters*, vol. 78(2), pp 302.

31. Page, M. T., S. Custódio, R. J. Archuleta, and J. M. Carlson (2007). Resolution of GPS Data from the 2004 Mw6.0 Parkfield Earthquake. *Seismological Research Letters*, vol. 78(2), pp 289.

32. Custódio, S., and R. J. Archuleta (2006). b-Values as a Proxy for Stress – Inferences for Dynamic Modeling of the 2004 Parkfield Earthquake. *EOS Trans. AGU, 87(52), Fall Meet. Suppl., Abstract S23C-0167.*

33. Archuleta, R. J., S. Custódio, and S. Ma (2006). Effect of Realistic 3D-Velocity Structure on Rupture Dynamics and Ground- Motion. *EOS Trans. AGU, 87(52), Fall Meet. Suppl., Abstract S53D-05.*

34. Page, M. T., S. Custódio, R. J. Archuleta, and J. M. Carlson (2006). Resolution of GPS data from the 2004 Mw6.0 Parkfield Earthquake. *EOS Trans. AGU, 87(52), Fall Meet. Suppl., Abstract NS31C-1582.*

35. Ma, S., R. J. Archuleta, S. Custódio, and P. Liu (2006). Dynamic Modeling of the 2004 Mw 6.0 Parkfield Earthquake. *EOS Trans. AGU, 87(52), Fall Meet. Suppl., Abstract S32A-03.*

36. Custódio, S., S. Ma, and R. J. Archuleta (2006). Modeling Earthquake Dynamic Ruptures in Realistic 3D Heterogeneous Material – Preliminary Results. *Annual Meeting of the Southern California Earthquake Center*, Palm Springs, California, Sep. 10-13, 2006.

37. Page, M., S. Custódio, R. J. Archuleta, and J. M. Carlson (2006). Resolution of GPS data from the 2004 Mw6.0 Parkfield Earthquake. *Annual Meeting of the Southern California Earthquake Center*, Palm Springs, California, Sep. 10-13, 2006.

38. Custódio, S., and R. J. Archuleta (2006). The Parkfield Section of the San Andreas Fault, California: Characteristic or Complementary Earthquake Ruptures? *International workshop on comparative studies of the North Anatolian Fault and the San Andreas Fault (Southern California)*, Istanbul, Turkey, Aug. 14-18, 2006.

39. Page, M., S. Custódio, R. J. Archuleta, and J. M. Carlson (2006). Source Inversion Resolution Analysis of the 2004 Mw6.0 Parkfield Earthquake. *International workshop on comparative studies of the North Anatolian Fault and the San Andreas Fault (Southern California)*, Istanbul, Turkey, Aug. 14-18, 2006.

40. Heleno, S. I. N., J. F. B. D. Fonseca, S. Custódio, and B. V. E. Faria (2006). Unusual Volcanic Tremor Observations from Fogo Island, Cape Verde. *IV Jornadas Internacionais de Vulcanologia do Pico*, Azores, May 2-3, 2006.

41. Custódio, S., P. Liu, R. J. Archuleta, and K. Larson (2006). Kinematic Inversion of the 2004 M_w 6 Parkfield Earthquake from Strong Motion Seismic Data and High-rate GPS Data. *Seismological Research Letters*, vol. 77(2), pp 289.

42. Custódio, S., R. J. Archuleta, and P. Liu (2006). Kinematic Rupture Model for the 1966 M_w6 Parkfield Earthquake with Assessment of Resolution. *Seismological Research Letters*, vol. 77(2), pp 243.

43. Custódio, S., P. Liu, and R. J. Archuleta (2005). The 2004 Parkfield Earthquake and its Relation to the Surrounding Fault-Zone Structure. *EOS Trans. AGU, 86(52), Fall Meet. Suppl., Abstract S53A-1086.*

44. Archuleta, R. J., S. Custódio, and P. Liu (2005). Comparison Between the Ruptures of the 1966 and 2004 Mw6 Parkfield Earthquakes. *EOS Trans. AGU, 86(52), Fall Meet. Suppl., Abstract S52A-05.*

45. Ma, S., S. Custódio, P. Liu, and R. J. Archuleta (2005). Spontaneous Rupture Modeling of the 2004 Parkfield Earthquake With Estimates of the Fracture and Radiated Energy. *EOS Trans. AGU, 86(52), Fall Meet. Suppl., Abstract S33C-02.*

46. Lavallée, D., S. Custódio, P. Liu, and R. J. Archuleta (2005). On the Random Nature of Earthquake Source and Ground Motion: the 2004 Parkfield Earthquake. *EOS Trans. AGU, 86(52), Fall Meet. Suppl., Abstract S13B-0200.*

47. Archuleta, R. J., S. Custódio, and P. Liu (2005). Resolving the Source Parameters of the Parkfield Earthquake By Multiple Inversions of Different Data Sets. *Symposium on Strong Ground Motion Prediction and Seismic Exploration in Urban Areas, Earthquake Research Institute*, University of Tokyo, Japan, Oct. 25-27, 2005.

48. Custódio, S., P. Liu, and R. J. Archuleta (2005). 2004 Parkfield Kinematic Inversion Using Strong-Motion Data Corrected by Site Effects. *Annual Meeting of the Southern California Earthquake Center*, Palm Springs, California, Sep. 11-14, 2005.

49. Lavallée, D., S. Custódio, and P. Liu (2005). On the Random Nature of Earthquake Processes: A Case Study the 2004 Parkfield Earthquake. *Annual Meeting of the Southern California Earthquake Center*, Palm Springs, California, Sep. 11-14, 2005.

50. Custódio, S., P. Liu, and R. J. Archuleta (2005). Prediction of Near-source Ground Motion for the 2004 Mw 6.0 Parkfield Earthquake: Effects of Using Different Data Sets in the Inversion. *Seismological Research Letters*, vol. 76(2), pp 211.

51. Liu, P., S. Custódio, and R. J. Archuleta (2005). Finite-fault Model of the 2004 Mw 6.0 Parkfield Earthquake from Inversion of Strong-motion Data. *Seismological Research Letters*, vol. 76(2), pp 210.

52. Custódio, S., J. F. B. D. Fonseca, B. V. E. Faria, and N. d'Oreye (2005). Tidal Modulation of seismic noise and volcanic tremor in Fogo island, Cape Verde. *International Workshop on Ocean Island Volcanism*, Sal Island, Cape Verde Republic.

53. Heleno, S., S. Custódio, B. Faria, and Z. Bandomo (2004). Volcanic tremor observations in Fogo Island, Cape Verde. *6th National Congress of Seismology and Earthquake Engineering and International Workshop*, Universidade do Minho, Portugal, pp. 966.

54. Custódio, S. and S. I. Heleno (2004). Unusual Volcanic Tremor Observations in Fogo Island, Cape Verde. *EOS Trans. AGU, 85(52), Fall Meet. Suppl., Abstract V14B-04.*

55. Custódio, S., J. F. B. D. Fonseca, B. V. E. Faria and N. d'Oreye (2002). Tidal Modulation of the Volcanic Tremor in the Fogo Island, Cape Verde. *XXVIII General Assembly of the ESC, 1-6 September 2002 (Book of abstracts and papers)*, pp.51.

56. Custódio, S., Z. Bandomo, B.V.E. Faria, N. d'Oreye, S. Heleno, and J. F. B. D. Fonseca (2002). Semi-diurnal Modulation of the Seismic Noise in the Fogo Island, Cape Verde, and its Possible Causes. *Proceedings of the 3ª Assemblea Hispano-Portuguesa de Geodesia y Geofisica, 4-8 February 2002*, pp.234.

Conference Organization

1. 15th World Conference on Earthquake Engineering, Lisbon, Portugal, 2012. *Member of the Local Advisory Committee.*

2. GeoCPLP2012, Coimbra, Portugal, 2012. *Scientific Advisor.*

3. 7º Simpósio da Associação Portuguesa de Meteorologia e Geofísica, Setúbal, Portugal, March 28–30, 2011. *Member of the Scientific Committee.*

Outreach and Education

1. Collaborator, Young Geoscientists Congress, University of Coimbra, 2011.
2. Coordinator of the Club of Seismology, University of Coimbra, 2010 – present.
3. Collaborator, Young Geoscientists Congress, University of Coimbra, 2009.
4. Keynote Speaker, Science Talk Series – "Tertúlia de Cultura Científica", Club Setubalense, 2009.
5. Coordinator, regular visits of schools to the Geophysical Institute of the University of Coimbra, Universidade de Coimbra, Oct 2008 – present.
6. Volunteer, Physics Week, Instituto Superior Técnico, 1999.
7. Coordinator, Evenings of Astronomical Observations, Instituto Superior Técnico, 1998.
8. Coordinator, Physics Week, Instituto Superior Técnico, 1998.
9. Volunteer, Physics Week, Instituto Superior Técnico, 1997.

Academic Service

Graduate Student Representative	Earth Science Dpt., UCSB	2005 – 2006
Undergraduate Student Representative	Physics Dpt., IST	1997 – 2000
Director	Physics Student Association, IST	1998

Professional Memberships

American Geophysical Union	2004 – present
Seismological Society of America	2004 – present

Leaves

Maternity Leave	March 2010 – December 2010
Maternity Leave	June 2007 – December 2007

Language Skills

Portuguese — Mother tongue.

English — Fluent.
Grade A in the *Certificate of Proficiency in English*, by the University of Cambridge.
September 1987 – June 1997.

French — Very good knowledge.
Grade 14/20 in the *Diplôme de Langue Française*, by the Alliance Française.
September 1991 – July 1999.

German — Elementary knowledge.
Grade *Gut* in the *Zertifikat Deutsch*, by the Goethe Institut.
September 1997 – July 2003.

Danish — Elementary knowledge.
Attendance of two intensive courses in the Department of Nordic Philology, University of Copenhagen, Denmark.
August 2000 – June 2001.

Italian — Elementary knowledge.
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