

## Glenn Thompson

## Curriculum vitae

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Contact Information	School of Geosciences University of South Florida 4202 East Fowler Ave., NES107 Tampa, FL 33620 USA	<i>Cell:</i> 907-687-7747 <i>Office:</i> 813-974-3702 <i>E-mail:</i> thompson@usf.edu
Education	<b>Ph.D., Geophysics with Dissertation in Volcano Seismology</b> University of Leeds, England, UK Dissertation title: "Modelling of seismo-volcanic sources"	1999
	<b>M.Sc., Geophysics</b> University of Durham, England, UK	1995
	<b>B.Sc. Hons., Theoretical Physics and Mathematics</b> University of St. Andrews, Scotland, UK	1993
Professional Appointments	<b>Research Assistant Professor</b> University of South Florida, Tampa, FL USA	2013 - Present
	<b>Research Seismologist</b> University of Alaska Fairbanks, AK USA	2006 - 2013
	<b>Senior Geophysicist &amp; Applications Developer</b> British Geological Survey, Nottingham, England	2000 - 2006
	<b>Seismic Network Manager &amp; Deputy Director</b> Montserrat Volcano Observatory, Montserrat, West Indies (employer: British Geological Survey)	2000 - 2003
	<b>Postdoctoral Investigator</b> University of Alaska Fairbanks, AK USA	1998 - 2000
	<b>Systems Analyst/Programmer</b> TNT Express Worldwide, Atherstone, England, UK	1997 - 1998
	<b>Seismologist</b> Montserrat Volcano Observatory, Montserrat, West Indies (employer: British Geological Survey)	Summer 1996

C., Webley, P., and Werner, C.: Alaska Division of Geological and Geophysical Surveys Report of Investigation 2011-5, 45 p., available at <http://www.dggs.alaska.gov/pubs/id/23123>.

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(12) **Thompson, G.**, and West, M.E. (2010). Real-time Detection of Earthquake Swarms at Redoubt Volcano, 2009. *Seismological Research Letters*, 81(3), 505-513. doi:10.1785/gssrl.81.3.505

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(7) Carn, S. A., Watts, R. B., **Thompson, G.**, and Norton, G. E. (2004). Anatomy of a lava dome collapse. *Journal of Volcanology and Geothermal Research*, 131, 241-264.

(6) Elsworth, D., Voight, B., **Thompson, G.**, and Young, S. R. (2004). Thermal-hydrologic mechanism for rainfall-triggered collapse of lava domes. *Geology*, 32(11), 969-972. doi:10.1130/G20730.1

(5) Edmonds, M., Oppenheimer, C., Pyle, D. M., Herd, R. A., and **Thompson, G.** (2003). SO<sub>2</sub> emissions from Soufriere Hills Volcano and their relationship to conduit permeability, hydrothermal interaction and degassing regime. *Journal of Volcanology and Geothermal Research*, 124(1-2), 234-3. doi:10.1016/S0377-0273(03)00041-6

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(3) Matthews, A. J., Barclay, J., Carn, S., **Thompson, G.**, Alexander, J., Herd, R., and Williams, C. (2002). Rainfall-induced volcanic activity on Montserrat. *Geophysical Research Letters*, 29(13). doi:10.1029/2002GL014863

(2) Jolly, A. D.L018082

Kougioumtzoglou, Edoardo Patelli, and Ivan Siu-Kui Au (Eds.) Encyclopedia of Earthquake Engineering. Springer-Verlag Berlin Heidelberg.

(1) McNutt, S.R., **Thompson, G.**, Fee, D., Johnson, J.B., and De Angelis, S. (in press). Seismic and Infrasonic Monitoring, Encyclopedia of Volcanoes, 2nd edition.

Publications -  
Peer-reviewed  
Open-File  
Reports

(3) Gunn, D. A., Jackson, P. D., **Thompson, G.** (2005), Fine Scale Structure of Core by Novel Resistivity Imaging. BGS Report No. IR/05/065.

(2) Gunn, D. A., Nelder L. M., Pearson, S., **Thompson, G.**, Carney, J. N., Wallis, H., (2005), Investigating shear wave methods to characterize sand and gravel thicknesses at Holme Pierrepont, Nottingham. BGS Report No. IR/03/116.

(1) Cuss, R. J., **Thompson, G.**, (2003), Ground penetrating radar investigation of the fissuring of the A690 in Houghton-le-Spring , Commissioned Report CR/03/301R, Urban Geoscience and Geological Hazards Programme, British Geological Survey.

Teaching  
Experience

**University of South Florida**

Topics in Volcano-Seismology, GLY6739.032S15, Co-Teacher, Spring 2015  
Antelope & MATLAB Programming, GLY6739.016F14 , Teacher, Fall 2014

**University of Alaska Fairbanks**

Beyond the Mouse, GEOS 692, Co-Teacher, 2009

**University of Leeds**

Inverse Theory, Teaching Assistant, 1995-1997  
PC Skills for Geoscientists, Teaching Assistant, 1995-1997

Technical  
Skills

Software analysis & design.  
Software project management.  
Programming expertise in: MATLAB, Perl, PHP, Python, C/C++, FORTRAN.  
Unix/Linux Administration.  
Version control: git/github.com, svn, cvs.  
Seismic software: Antelope, Earthworm, Seisan, Seislog, GISMO, ObsPy, PITSA.  
Database schema design & implementation: MySQL, Antelope.  
Management of large, real-time geophysical datasets.

Graduate  
Advisees

Student	Degree	Role	Dates
Heather McFarlin	PhD	Committee Member	2013-Present
Cassandra Smith	MS	Committee Member	2013-Present
Alexandra Farrell	PhD	Committee Member	2013-Present
Chris Bruton	MS	Committee Member	2010-2013
Helena Buurman	PhD	Committee Member	2009-2013