

Glenn Thompson

Curriculum vitae

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	Ph.D., Geophysics with Dissertation in Volcano Seismology University of Leeds, England, UK Dissertation title: "Modelling of seismo-volcanic sources"	1999
	M.Sc., Geophysics University of Durham, England, UK	1995
	B.Sc. Hons., Theoretical Physics and Mathematics University of St. Andrews, Scotland, UK	1993
Professional Appointments	Research Assistant Professor University of South Florida, Tampa, FL USA	2013 - Present
	Research Seismologist University of Alaska Fairbanks, AK USA	2006 - 2013
	Senior Geophysicist & Applications Developer British Geological Survey, Nottingham, England	2000 - 2006
	Seismic Network Manager & Deputy Director Montserrat Volcano Observatory, Montserrat, West Indies (employer: British Geological Survey)	2000 - 2003
	Postdoctoral Investigator University of Alaska Fairbanks, AK USA	1998 - 2000
	Systems Analyst/Programmer TNT Express Worldwide, Atherstone, England, UK	1997 - 1998
	Seismologist 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

(11) Lockett, R., Baptie, B., Ottemoller, L., and **Thompson, G.** (2007). Seismic Monitoring of the Soufriere Hills Volcano, Montserrat. *Seismological Research Letters*, 78(2), 192-200. doi:10.1785/gssrl.78.2.192

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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). SO₂ 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