

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 |

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 |