

Vasso Saltogianni (resume)

Personal Details:

Date/Place of Birth: 28 Novembrer 1987, Agrinio, Greece

Nationality: Greek



Contact details:

Laboratory of Geodesy and Geodetic Applications

Department of Civil Engineering, University of Patras, Greece, 26500

Tel. 00302610997877

email: vsalt@upatras.gr

Education

Phd candidate (Since October 2012) Department of Civil engineering, University of Patras, Greece.

Research field: Geodesy, Applied Geophysics (monitoring/modelling of deformation due to tectonic or volcanic activity), Numerical/Analytical techniques

MSc in Transportation, Construction Management and Spatial Planning (September 2011-October 2012)

Department of Civil engineering, University of Patras, Greece

Msc Thesis (in Greek): Numerical/Topological adjustment of highly non-linear redundant problems describing by geodetic measurements

Civil Engineering Diploma (October 2005-November 2010)

Department of Civil engineering, University of Patras, Greece

Diploma Thesis (in Greek): Modeling of the magma source of the Santorini volcano based on EDM measurements for the period 1994-1999 based on a numerical-topological approach

Experience/Special Skills

Teaching Assistance in Geodesy and Geodetic Application courses in Dept. of Civil Engineering, Univ. of Patras (since January 2012).

Participation in several GPS field measurement campaigns in Santorini volcano since June 2011 organized by Univ. of Patras, Gatech and UNAVCO.

Participation in GPS field measurement campaigns (organized by Ecole Normal Superieure and Univ. of Patras) Corinth Gulf, Greece, September 2011 and October 2013.

Computer programming (Matlab, Fortran), Autodesk Autocad, Golden Software Surfer

GPS processing Software (Topcon Pinnacle, Leica Geo Office Combined, GAMIT/GLOBK/TRACK).

Publications in Scientific journals

1. Newman A, Stiros S, Feng L, Psimoulis P, Moschas F, **Saltogianni V**, Jiang Y, Papazachos C, Panagiotopoulos D, Karagianni E, Vamvakaris D (2012) Recent Geodetic Unrest at Santorini Caldera, Greece. *Geophys Res Lett* 39, L06309.
2. **Saltogianni V**, Stiros S (2012) Modeling of the Mogi magma source centre of the Santorini (Thera) volcano, Aegean Sea, Greece, 1994-1999, based on a numerical-topological approach. *Stud Geophys Geod* 56(4):1037-1062.
3. **Saltogianni V**, Stiros S (2012) Adjustment of highly non-linear redundant systems of equations using a numerical, topology-based approach. *J Appl Geod*, 6(3-4):125-134.
4. **Saltogianni V**, Stiros S (2013) Topological inversion in geodesy-based, non-linear problems in geophysics. *Computers & Geosciences*. 52:379-388.
5. **Saltogianni V**, Stiros S (2013) A new algorithm for modelling simple and double Mogi magma sources in active volcanoes: accuracy, sensitivity, limitations and implications. *Bulletin of Volcanology*, 75 (10), pp. 1-14.