

Curriculum Vitae

Last name:	Pagounis
First name:	Vassilios
Place of birth:	Ioannina, Greece
Sex:	Male
Year of birth:	1968
Languages:	Greek (native), English (very good)
Research Areas:	Geodesy, Surveying, Geomatics

1. EDUCATION

1.1 Studies

1986 -1992	Rural and Surveying Engineer - Aristotle University of Thessaloniki
12/1992 – 11/1993	Postgraduate program coordinated by Institute of Applied Technology in association with University of Athens
6/2000	Ph.d in “Processing methods of geometrical and physical geodata for signal detection. Application to the vertical datum”

1.2 Attendance of postgraduate seminars

10/1992 – 12/1992	“Information Technology and Numerical Analysis”, coordinated by Theoretical and Physical Chemistry Institute of National Hellenic Research Foundation
11/1993 – 12/1993	“Image digital process”, coordinated by Technological Chamber of Greece

2. PROFESSIONAL EXPERIENCE

1992 - 2002	Rural and Surveying Engineer
1996 - 2002	A class engineer for 16 and 10 category public projects
1996 - 1997	Infotop Ltd in Geodesy and remote sensing projects
1998 - 2002	Planitiki S.a. surveying projects
1993 - 1997	Geomet Ltd in Geodesy, remote sensing and G.I.S. projects
1997 - 2002	Geographiki S.a. in surveying and transportation projects
2001 -2002	Hcb Ltd in geodesy projects in Balkan Peninsula

3. ACADEMIC ACTIVITIES

3.1 Teaching

1995 - 2001	Participation in the teaching activities at the School of Rural and Surveying Engineer and the
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	School of Civil Engineer of National Technological University of Athens in the following courses: <ol style="list-style-type: none"> 1. Physical Geodesy 2. Introduction to terrestrial gravity field 3. Advanced Field Courses II 4. Introduction to Geodesy 5. P/C Programming 6. Geophysical explorations – Gravimetry 7. Geodesy I
2001 - today	Fire Service Academy, Police Academy, Department of Surveying Engineering, Technological Educational Institute of Athens

3.2 Academic notes

1995	“Introduction to networks and networks for users – Unix operating system - basic instructions”, Department of Rural and Surveying Engineer, National Technological University of Athens
2000	“Introduction to terrestrial gravity field”, for the Department of Rural and Surveying Engineer, National Technological University of Athens
2001	“Notes for Geodetic Networks”, for the Department of Surveying Engineering, Technological Educational Institute of Athens

4. SCIENTIFIC - RESEARCH ACTIVITIES

4.1 Publications - presentations in scientific journals and international congresses

1. “Generation of a terrain data base over Greece for telecommunication”, ISPRS, XXXI, B4, Com. IV, pp 915-918, Vienna, 1996
2. “The use of Remote Sensing and GIS techniques in Agricultural applications”, ISPRS, XXXI, B7, Com. VII, pp 738-743, Vienna, 1996
3. “Investigation of tectonic traces upon the regional geoid without the use of gravity”, Reports of the Finnish Geodetic Institute, 98:4, pp 153-159, 1998. Thomaidio Award of the National Technological University of Athens in Geosciences for the best published article peer reviewing
4. “Investigation of raw variance and variability spectra from non gravimetric geoidal signals”, Bolletino Di Geofisica, teorica ed applicata, Vol 40, N. 3-4, pp 451-460, 1999
5. “Tectonic Implied Results from Geoid and Topography Signals”, Phys. Chem. Earth, Vol. 25, pp 101-106, 2000
6. “A Comparison between computed and observed undulation degree variances at the low and medium frequency spectrum”, IGeS Bulletin

N. 13, pp 27-34, 2001.
7. "The use of three-dimensional scanning as methodology of 3D laser scanning at caves' surveying. Presentation at Agios Georgios cave of Kilkis", Bulletin of the Geological Society of Greece, pp 1244-1251, 2004
8. "Laser scanning and automatic multi-image texturing of surface projections". XXI CIPA International Symposium, Athens, 1-6 October, pp. 579-584.
9. "3d laser scanning in visibility control projects", 4 th National Road Safety Conference, November 2009, Athens

4.2 Other publications - presentations in international congresses and scientific journals

1. "Modern technologies as a tool in archaeological interest areas exploitation", Technika Chronika Scientific Journal of the T.C.G., ISSN 0376-2211, pp 97-102, 1995.
2. "The contribution of the diascopies to the archaeological research. The elaboration and explanation of archaeometrical diascopies calculations", Hellenic ICOMOS, T.C.G., ISBN 960-86550-2-1, pp69-78, 1994
3. "First numerical results in detecting heterogeneities in regional gravity field using GPS undulations", EGS XXII, Vienna, 1997.
4. "A comparison of geophysical signatures between Greece and Italy as it deduced by geodetic data", I.U.G.G., IASPEI, Birmingham, 1999.
5. "A low cost geodetic engineering method based on observations of the height reference datum to locate suspected tectonic faults in a region", EGS XXVI, Nice, 2001.
6. "How geoid interpolates in a tectonic area?" EGS XXVI, Nice, 2001
7. "Comparison of geoid heights derived from recent geopotential models with surface and satellite data in Greece." IAG, Proceedings, Budapest, 2001
8. "Operational Research for Engineering Applications. Optimization methods for logistics design of GPS network design".MCDA64, Larissa, September, 2006.
9. "3D Laser Scanning for Road Safety and Accident Reconstruction", Shaping the Change, XXIII FIG Congress, Munich, Germany, October, 2006
10. "3D laser scanning, a modern methodology for modelling and reconstruction of historic monuments". Proceedings of the 16th International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, November 2006, Sofia, Bulgaria.
11. "Surveying Engineering Applications using Orthometric Heights Derived from Combined Data", Proceedings of the 17th International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, November 2007, Sofia, Bulgaria.
12. "Terrestrial Laser Scanning in Transportation Engineering. An Integrated Tool for Road Safety Applications", GIM International, 2007.

13. "3D Laser Scanning as an Applied Method for Archaeological sites and Monuments. Case Study the Monument of Klepsydra at the Acropolis of Athens", Proceedings of the 18th International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, November 2008, Sofia, Bulgaria.

14. "Surveying engineering application using terrestrial 3D laser scanning for deformation measurements", 19th International Symposium on Modern Technologies, Education and Professional Practice in Geodesy and Related Fields, November 2009, Sofia, Bulgaria.

15. "Geodetic technology for cultural heritage monitoring – the case of Klepsydra at the Acropolis of Athens", Proc. Of the 8th International Symposium on the conservation of monuments in the Mediterranean Basin, 31 May-2 June 2010, Patra, Greece

5. References

Arabelos, D., "National Report for Greece", International Geoid Commission (Commission XII) of the International Association of Geodesy (IAG).

"First numerical results in detecting heterogeneities in regional gravity field using GPS undulations"

"Investigation of tectonic traces upon the regional geoid without the use of gravity"

"Investigation of raw variance and variability spectra from non gravimetric geoidal signals"

"Tectonic Implied Results from Geoid and Topography Signals"

Tziavos, N, I., "Regional land and marine geoid modelling (1995-1999 Report of S.S.G. 3.167), Presented at IUGG99, IAG Section III

"Determination of the Gravity Field", Birmingham, July 18-30, 1999.

"Investigation of tectonic traces upon the regional geoid without the use of gravity"

K. Biskup, P. Arias, H. Lorenzo, J. Armesto, "Application of Terrestrial Laser Scanning for Shipbuilding", ISPRS Workshop on Laser Scanning 2007 and SilviLaser 2007, Espoo, September 12-14, 2007, Finland.

"3D Laser Scanning for Road Safety and Accident Reconstruction"

Novinky Zeměměřičkt knihovny, Ročník 37, č 1, 2007.

"3D laser scanning, a modern methodology for modelling and reconstruction of historic monuments"

Martos A., Navarro S., Lerma J.L., Rodriguez S. Rodriguez J.,2008. Orthoware: Software tool for image based architectural photogrammetry. *Proc. VSMM 2008 - Conference on Virtual Systems and MultiMedia Dedicated to Digital Heritage*, Limassol, Cyprus, October 20-25, pp. 32-39.

"Laser scanning and automatic multi-image texturing of surface projections"

Agnello F., Cannella M., Gentile A., Lo Brutto M., Santangelo A., Villa B., 2008. Surveying, modeling and communication techniques for the

<p>documentation of medieval wooden painted ceilings in the Mediterranean area. <i>Proc. VSMM 2008 - Conference on Virtual Systems and MultiMedia Dedicated to Digital Heritage</i>, Limassol, Cyprus, October 20-25, pp. 100-107. “Laser scanning and automatic multi-image texturing of surface projections“</p>
<p>Colombo L., Marana B., 2009. Photo-textured building models. <i>GEOconnexion International Magazine</i>, February issue, pp. 38-40. “Laser scanning and automatic multi-image texturing of surface projections“</p>
<p>Kalogeropoulos H., Lazaridis G., & Tsekoura A., 2010. “Methodology of cave mapping: comparison of surveys”, 4th Pancretian Speleological Symposium. “The use of three-dimensional scanning as methodology of 3D laser scanning at caves’ surveying. Presentation at Agios Georgios cave of Kilkis”</p>
<p>Anisha Thapa, 2009. “Semantic Feature Based Registration of Laser Point Clouds” “Laser Scanning for Road Safety and Accident Reconstruction”</p>
<p>Xianguang Du, Xianlong Jin, Xiaoyun Zhang, Jie Shen, Xinyi Hou, 2009. Geometry features measurement of traffic accident for reconstruction based on close-range photogrammetry. “3D laser scanning for road safety and accident reconstruction”</p>
<p>M. G. Doufexopoulou, B. A. Massinas and G. Bartha, “Spectral Analysis of Geoidal Signals at Points of Geodynamical Interest Used in the Investigation of the Depth of Mass-Density Causal “Sources” of Ground Deformations”, <i>Geodetic Deformation Monitoring: From Geophysical to Engineering Roles</i>, International Association of Geodesy Symposia, 2006, Volume 131, Session A, 38-47 “Processing methods of geometrical and physical geodata for signal detection. Application to the vertical datum”</p>
<p>Martos a, S. Navarro b, J.L. Lerma b, S. Rodrviguez a, J. Rodrviguez a ORTHOWARE: SOFTWARE TOOL FOR IMAGE BASED ARCHITECTURAL PHOTOGRAMMETRY, 2008 “Laser Scanning and Automatic Multi-Image Texturing of Surface Projections.”</p>
<p>Vasja Bric, mag. Katja Oven, dr. Dalibor Radovan “Fotogrametri_no kartiranje prometnih nezgod”, 2010 “3D Laser Scanning for Road Safety and Accident Reconstruction”.</p>
<p>Mateo Gašparović “LASERSKO SKENIRANJE ARHEOLOŠKIH ARTEFAKATA”, 2009 “Laser scanning and automatic multi-image texturing of surface projections”</p>
<p>Luigi Colombo “Di Modelli Foto-Realistici Dell’ Edificato”, <i>Archeomatica</i> Numero zero ,2009 “Laser Scanning and Automatic Multi-Image Texturing of Surface Projections.”</p>