

Name: Efstratios Stylianidis

Position: Assistant Professor

Subject: Photogrammetry - Geodesy

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Studies

PhD, School of Rural and Surveying Engineering, Faculty of Engineering, Aristotle University of Thessaloniki (2001)

BSc/MSc, School of Rural and Surveying Engineering, Faculty of Engineering, Aristotle University of Thessaloniki (1996)

Research interests

Keywords:

Photogrammetry

Surveying-Geodesy

Geomatics

Description:

Photogrammetry, Surveying, Geodesy, Geomatics in theoretical and application field. Adaptation in spatial planning.

Teaching (courses)

Assistant Professor, School of Urban-Regional Planning and Development Engineering, Faculty of Engineering, Aristotle University of Thessaloniki

Research and teaching activity in the following courses:

- Surveying – Geodesy, 1st semester
- Photogrammetry, 4th semester
- Geomatics applications, 7th semester
- Layout plans – Application plans, 8th semester

Recent publications:

Selection from the last 3 years:

1. Grammatikogiannis, E., Stylianidis, E., Giaoutzi, M., 2010. *Geovisualisation tools in cultural heritage management*. 8th International Symposium on the Conservation of Monuments in the Mediterranean Basin, 31 May – 2 June 2010, Patra, Greece.
2. Stylianidis, E., Smagas, K., Andreou, C., 2010. *Ethical concerns in non-invasive medical imaging: a case study and a pilot framework for tackling ethical issues in digital imaging*. e-Challenges e-2010, 27 – 29 October 2010, Warsaw, Poland.

3. Kaimaris, D., Georgoula, O., Patias, P., Stylianidis, E., 2011. *Comparative analysis on the archaeological content of imagery from Google Earth*. Journal of Cultural Heritage, 1296-2074, 12 (3), pp. 263–269.
4. Patias, P., Stamnas, A., Georgiadis, Ch., Stylianidis, E., Kaimaris, D., 2011. *Mapping of buildings facades' at the historical centre of Nicosia, Cyprus and creating a preservation information system*. Proceedings of the CIPA XXIII Symposium, Prague, Czech Republic, CIPA Archives for Documentation of Cultural Heritage, Vol. XXIII-2011, ISBN 978-80-01-04885-6.
5. Patias, P., Kaimaris, D., Stylianidis, E., 2011. *Change detection in historical city centers using multi-source data: the case study of historical center of Nicosia – Cyprus*. Proceedings of the CIPA XXIII Symposium, Prague, Czech Republic, CIPA Archives for Documentation of Cultural Heritage, Vol. XXIII-2011, ISBN 978-80-01-04885-6.
6. Kaimaris, D., Stylianidis, E., Lambrou, A., Panozachos, K., Kandis, N., 2011. *Urban change detection in city centers using temporal satellite imagery*. Proceedings of the CIPA XXIII Symposium, Prague, Czech Republic, CIPA Archives for Documentation of Cultural Heritage, Vol. XXIII-2011, ISBN 978-80-01-04885-6.
7. Grivas, T. B., Patias, P., Soutanis, K., Stylianidis, E., Tsioukas, V., Georgiadis, Ch., Andreou, C., Charalambous, P., Chrysanthou, Y., 2011. *Design, implementation and first results of a 3rd generation digital photogrammetric system for trunk surface assessment and scoliosis screening*. Scoliosis 2012, 7(Suppl 1): P14, <http://www.scoliosisjournal.com/content/7/S1/P14>.
8. Kaimaris, D., N. Karanikolas, D. Vagiona, E. Stylianidis, C. Alexiou, 2011. *Digital processing of historical maps from Western Macedonia, Greece with the use of G/S*. International Journal of Geomatics and Geosciences, Volume 2, No.2, pp. 580-599.
9. Stylianidis, E., Kaimaris, D., Karanikolas, N., 2012. *A GIS for urban sustainability indicators*. International Journal of Sustainable Development and Planning, Vol.7, No.1, pp. 1-13.
10. Georgiadis, Ch., V. Tsioukas, D. Kaimaris, N. Karanikolas, E. Stylianidis, P. Patias, O. Georgoula, 2012. *Earth Observation activities for the environment in Greece*. In “Status of Earth Observation activities for the environment in the Balkan area”, P. Patias, Guest Editor, South-Eastern European Journal of Earth Observation and Geomatics [SEEJoEOG], Vol. 1, No. 1S (2012) pp. 81-110.
11. Sylaiou, S., S. Basiouka, P. Patias, E. Stylianidis, 2013. *The volunteered geographic information in archaeology*. ISPRS Ann. Photogramm. Remote Sens. Spatial Inf. Sci., II-5/W1, 301-306, doi:10.5194/isprsannals-II-5-W1-301-2013, 2013.

Books

1. Stylianidis Efstratios, Elements of Surveying, DISIGMA publications, 2011.

Chapters in books

1. Menevidis, Z., Swartzman, S., Stylianidis, E., 2011. Code of Conduct for FP7 Researchers on medical and biometric data privacy, In: Von Schomberg, Rene

von (ed.): "Towards Responsible Research and Innovation in the Information and Communication Technologies and Security Technologies Fields", Luxembourg: Publication Office of the European Union, ISBN 978-92-79-20404-3, pp. 115-132.

Recent research activity:

1. Research project «*Analytical determination of Cyprus geoid*» for the period 21.04.2010 - 20.04.2011, Funding: Department of Land and Surveys, Ministry of Interior, Republic of Cyprus
2. Research project «*Design, management and development of a GIS for Veria Municipality*» for the period 31.08.2010 - 31.08.2011, Funding: Municipality of Veria
3. Research project «*Strengthening and development of Earth Observation activities for the environment in the Balkan area (OBSERVE)*» [FP7-ENV-2010] for the period 01.11.2010 - 31.10.2012, Funding: European Commission
4. Research project «*Κοινωνικό GIS*» for the period 20.12.2011 - 20.06.2012, Funding: Municipality of Volvi
5. Research project «*3D image processing system for helping physicians in the diagnosis and monitoring of scoliosis (SCOLIO-SEE)*» [FP7-SME-2012-1] for the period 01.10.2012 - 31.03.2015, Funding: European Commission
6. Research project «*Fostering sustainability and uptake research results through networking activities in Black Sea & Mediterranean areas (IASON)*» [FP7-ENV-2013] for the period 01.06.2013 - 31.05.2015, Funding: European Commission

Other scientific activities:

- Supervision of 5 diploma thesis
- Participation in 39 scientific conferences and workshops
- Member in the scientific committee of 14 scientific conferences
- Participation in 10 electoral bodies
- Reviewer in 8 journals
- Member in the editorial board of 1 scientific journal