

CURRICULUM VITAE

- 1. Family name:** Stathakis
2. First name: Dimitrios
3. Date of birth: 23-03-1972
4. Nationality: Hellenic
5. Education:

<i>Institution:</i>	University of Thessaly
<i>Date:</i>	June 2003
<i>Degree(s) or Diploma(s) obtained:</i>	PhD « GIS and remote sensing integration to classify satellite images using neural networks »

<i>Institution:</i>	University College London
<i>Date:</i>	Sep 1995
<i>Degree(s) or Diploma(s) obtained:</i>	Msc in Geodetic and Geographical Information Systems (GIS)

<i>Institution:</i>	University of Thessaly
<i>Date:</i>	Nov 1994
<i>Degree(s) or Diploma(s) obtained:</i>	Dip-Eng Urban & regional planning

- 6. Language skills** (1 =excellent 5 = basic)

Language	Reading	Speaking	Writing
Hellenic (mother tongue)	1	1	1
English	1	1	1
French	3	5	5
Italian	3	4	5

7. Membership of professional bodies:

- National Urban and Regional Planning Engineers Chamber (managing board 2009-10, member since 1996)
- HellasGIs, Hellenic Society for Geographical Information Systems (managing board 2008 - 2011, member since 2000)
- TEE, Hellenic Technical Chamber, member since 1996
- ΣΕΠΟΧ, Hellenic Urban and Regional Planners Association, managing board 2011-2014, member since 2001

- 8. Other skills:** Excellent computer literacy, expert in geoinformatics

- 9. Present position:** University of Thessaly-Volos - EL
Associate Professor in the Department of Planning and Regional Development

- 10. Years with firm:** 8

11. Key qualifications:

- Urban monitoring (via earth observation) and modeling (urban sprawl forecasting via models e.g. SLEUTH)
- Organization skills & project management
- International experience
- Familiarity with E.C. procedures.
- Teaching and training skills

12. Specific experience in International co-operation projects:

<i>Country</i>	<i>Date: from (month/year) to (month/year)</i>
Italy	Nov 2004 – Feb 2008 post-doc researcher (contractual agent) in the Joint Research Center (DG JRC) of the European Commission (IPSRA)

13. Professional experience record:

<i>Date:</i>	July 2015 - present
<i>Location</i>	Hellas
<i>Company</i>	University of Thessaly – Volos, Department of Planning and Regional Development
<i>Position</i>	Associate Professor
<i>Description</i>	Associate Professor of GIS and Remote Sensing for Planning

<i>Date:</i>	Mar 2008 – June 2015
<i>Location</i>	Hellas
<i>Company</i>	University of Thessaly – Volos, Department of Planning and Regional Development
<i>Position</i>	Assistant Professor
<i>Description</i>	Assistant Professor of GIS and Remote Sensing for Planning

<i>Date:</i>	NOV 2004 – FEB 2008
<i>Location</i>	Italy
<i>Company</i>	Joint Research Center
<i>Position</i>	Post-doc Researcher
<i>Description</i>	Remote sensing and GIS for food security.

<i>Date:</i>	1992 – Oct 2004
<i>Location</i>	Hellas
<i>Company</i>	Private Sector
<i>Position</i>	Consultant for GIS related projects including the project management of the GIS side for Athens 2004 Security of Olympic Games (C4I), Telematic and GIS systems, Topos communications S.A. (2000-2003), GIS consultant for ATTIKO METRO S.A. (1997), University of Thessaly, consultant for several urban and regional planning projects (since 1992)
<i>Description</i>	

14. Research Experience

- 2014 Spatial Analysis of Hellenic health services and decision support for re-allocation based on population needs. University of Crete. Principal Investigator. Total budget 24.500 euro. Duration 6 months.
[UTH code E02127]
- 2011 - 12 Proba-V Preparatory program. Principal Investigator. Belgian Federal Science Policy Office (BELSPO). Cooperating with University of Malawi and the Space Research Institute of Russian Academy of Sciences. Duration 15 months. Total budget 100.000 euro <http://probav-iuc.org>
[UTH code 4222].
- 2009 - 11 Estimating the capacity of off-grid islands for renewable energy resources in relation to the existing planning framework. Member of the research team. Hellenic regulatory Authority for Energy. Duration 31 months. Total budget 110.000 euro.
[UTH code 3911]
- 2004 - 8 Post-doc researcher at the Joint Research Center, European Commission, main topic “remote sensing and geographical information systems applied in food security”, Institute for the Protection and Security of the Citizen, Agriculture and Fisheries unit, Crop Monitoring for food security action. Duration 40 months.
[22429-2004-10 P1B30 ISP IT]
- 2003 Investigation of the possibility to update topographic maps using very high resolution remotely sensed imagery. Member of the research team. Technical Institute of Athens, Department of surveying, Duration 5 months.
[code 227/9-1-2001].

15. Teaching experience

- 2008-16 Courses in the Department of Planning and Regional Development (UTH) undergraduate:
- *Geographical Information Systems (2008, 2013-2016)*
 - *Thematic Mapping (2008-2012)*
 - *Remote Sensing (2009, 2016)*
 - *Introduction in spatial planning (2010-12)*
 - *Studio – Urban planning (2008-12)*
 - *Studio – Regional Planning (2008-15)*
- postgraduate:
- *Tools for spatial planning and visualization (2010-12)*
 - *Geographical Information Systems (2013-2016)*
 - *Spatial Analysis (2014-2016)*
 - *Remote Sensing (2010, 2016)*
 - *Databases – GIS (2007-8), taught in English.*
 - *Remote sensing (2007), taught in English.*
 - *Thematic mapping (2008), taught in English.*
- 2008-9 Technical Institute of Athens, Department of Surveying
- Urban Planning (2008-9)
- 2011-2016 Harokopion University (Athens), Department of Geography
Invited lecture: Cellular Automata and applications in geography
- 2004 Project manager and trainer for police and fire-brigade personnel for the security of Athens Olympic Games 2004. Training focused on geographical information systems and security applications and models (C4I)
- 2013-16 Trainer for the Hellenic Air Force (Larissa Headquarters)

Thesis supervision

	undergraduate	postgraduate	doctorate	total
completed	18	7	1	26
under way	5	3	3	11
total	23	10	4	37

Completed PhD Thesis supervision:

1. *Pramanik. M., (2015), Forecasting urban sprawl in Dhaka city of Bangladesh. Funded by the Hellenic Scholarship Foundation.*

16. Publication metrics

As of 2016.01.21

source	total papers	citations	H factor
Scopus	19	168	7
Web of Science	10	127	6
Google Scholar	30	312	10

Researcher ID

- Scopus <http://www.scopus.com/authid/detail.url?authorId=23111404200>
- Web of Science <http://www.researcherid.com/rid/J-7084-2013>
- Google Scholar <http://scholar.google.gr/citations?user=9oRd7XEAAA&hl=en>

17. Journals

1. Pramanik M. and D. Stathakis, 2015, Forecasting urban sprawl in Dhaka city of Bangladesh, Environment and Planning B: Planning and Design, Environment and Planning B.
2. Stathakis D., and G. Tsilimigkas, 2014, Measuring the compactness of European medium-sized cities by spatial metrics based on fused datasets. International Journal of Image and Data Fusion. (invited paper).
3. Stathakis D., and I. Faraslis, 2014, Monitoring urban sprawl using simulated PROBA-V data, International Journal of Remote Sensing, vol. 35(7), April, pp. 2731-2743.
4. Triantakostas D., and D. Stathakis, 2014, Cokriging areal interpolation for estimating economic activity using night-time light satellite data, Lecture Notes in Computer Science, vol. 8582, pp. 243-252.
5. Stathakis D., K. Perakis and I. Savin, 2012, Efficient segmentation of urban areas by the VIBI, International Journal of Remote Sensing, vol. 33, no. 20, October, pp. 6361 – 6377.
6. Stathakis D., 2009, How many hidden layers and nodes?, International Journal of Remote Sensing, vol. 30, no. 8, April, pp. 2133 – 2147.
7. Topouzelis K., D. Stathakis and V. Karathanassi, 2009, Investigation of genetic algorithms contribution to feature selection for oil spill detection, International Journal of Remote Sensing, vol. 30, no. 3, pages 611 – 625.
8. M. Brown, D. Lary, A. Vrieling, D. Stathakis and H. Mussa, 2008, Neural Networks as a Tool for Constructing Continuous NDVI Time Series from AVHRR and MODIS, International Journal of Remote Sensing, vol. 29, no. 24, December, pp. 7141 – 7158.

9. Stathakis D. and I. Kanellopoulos, 2008, Global Optimization versus Deterministic Pruning for the Classification of Remotely Sensed Imagery, *Photogrammetric Engineering and Remote Sensing*, *Photogrammetric Engineering & Remote Sensing*, vol. 74, no. 10, October, pp. 1259-1265.
10. Stathakis D. and I. Kanellopoulos, 2008, Global elevation ancillary data for land use classification using granular neural networks, *Photogrammetric Engineering and Remote Sensing*, vol. 74, no. 1, January, pp. 55-64.
11. Stathakis D. and K. Perakis, 2007, Feature evolution for classification of remotely sensed data, *IEEE Geoscience and Remote Sensing Letters*, vol. 4, no. 3, July, pp. 354-358.
12. Stathakis D. and A. Vasilakos, 2006, Satellite image classification using granular neural networks, *International Journal of Remote Sensing*, vol. 27, no. 18, pp. 3991-4003. (9)
13. Stathakis D. and A. Vasilakos, 2006, Comparison of several computational intelligence based classification techniques for remotely sensed optical image classification, *IEEE Transactions in Geoscience and Remote Sensing*, August, vol. 44, no. 8, pp. 2305-2318.
14. Vasilakos A. and D. Stathakis, 2005, Granular neural networks for land use classification, *Soft Computing*, vol. 9, no. 5, pp. 332-340.

18. Conferences

1. Stathakis D, 2015, Deriving soil sealing degree from night-time VIIRS imagery, *IGARSS 2015*, 26-31 July, pp. 4.
2. Stathakis D., and G. Tsilimigkas, 2013, Measuring urban compactness of European medium sized cities, 29th Urban Data Management Symposium (UDMS), in the International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences (ISPRS), Volume XL-4/W1, 29-31 May, London, United Kingdom.
3. Karakounos I and D. Stathakis, 2013, The influence of urban morphology on insolation and wind conditions Case study of Thessaloniki, International Conference on “Changing Cities: Spatial, morphological, formal & socio-economic dimensions”, Skiathos, Hellenic Republic, 18-21 June.
4. Stathakis D., Perakis K., and I. Faraslis, 2012, Extracting Urban Areas on Simulated Proba-V Data Using ANFIS, 32nd EARSEL Symposium, 23-25 May, Myconos, Hellas.
5. Kiousopoulos I. and D. Stathakis, 2011, Urban Land Evolution in Medium Sized Hellenic Cities, In Abstracts of 1st International and Interdisciplinary Symposium. Sustainability: Focus on Urban and Peri-Urban Development. Liverpool, United Kingdom, European Academy of Land Use and Development - EALD & Liverpool John Moores University, 1 – 3 September.
6. Kiousopoulos I. and D. Stathakis, 2009, Charting sea visibility along coastal areas in the context of coastality, 24th International Cartography Conference, 15-21 November, Chile.
7. Perakis K., Lalou A., and D. Stathakis, 2009, A comparison of a Neuro-Fuzzy method with a maximum likelihood classification for land cover classes. European Association of Remote Sensing Laboratories, 29th EARSEL Symposium, 15-18 June, MAICH, Chania, Hellas.
8. Kostaki A., Kotzamanis B., and D. Stathakis, 2009, The spatial clustering of immigrant population in Greece , XXVI International Population Conference of the IUSSP, Marrakech, Morocco, 27 September - 2 October.
9. Perakis K., I. Faraslis, S. Rozakis and D. Stathakis, 2009, Probability satellite imagery based maps for substituting tobacco with energy plants, 29th Symposium of the European Association of Remote Sensing Laboratories, 15-18 June, MAI of Chania.
10. Stathakis D., 2007, Genetic algorithms in estimating optimal neural network topologies for the classification of remotely sensed images, *Proceedings of 14th SPIE Symposium on Remote Sensing*, The International Society for Optical Engineering, 17–20 September, Florence, Italy.
11. D. Pantazis, E. Panagiotis, Li Yingcheng, T. Guo, H. Karathanassis, D. Stathakis, C. Santimpantakis, P. Stratakis and V. Kyriakopoulou, Design of (or conceptual modeling)

multiscale cartographic databases, 26th Urban Data Management Symposium, Stuttgart, Germany, October 10-12, 2007.

12. Stathakis D., K. Topouzelis and V. Karathanassi, 2006, Large-scale feature selection using evolved neural networks, Proceedings of 13th SPIE Symposium on Remote Sensing, The International Society for Optical Engineering, vol. 6365, no. 13, 11–14 September, Stockholm, Sweden.
13. Stathakis D., I. Savin and T. Negre, 2006, Neuro-fuzzy modeling for crop production estimation, ISPRS - Mid-term Symposium, “Remote Sensing: From Pixels to Processes”, Enschede, the Netherlands, 8-11 May.
14. Pantazis, D., Stathakis, D., Yingcheng, L., Guo, T., Karathanassis, H. and Karatzalos, K., 2004, ‘Research of the possibility for accuracy improvement of topographic maps 1:50000 and 1:25000 using high resolution satellite images’, 7th Global Spatial Data infrastructure Conference (GSDI), February 2-4, Bangalore, India.
15. Pantazis, D., Yingcheng, L., Tongying G., Karathanassis, H., Stathakis, D., Santimpantakis C., 2004, The update of topographic maps of middle scales using high resolution satellite images: final conclusions, 24th Urban Data Management Symposium (UDMS), 27-29 October, Chioggia, Italy.

19. Administrative positions at UTH

1. Director of the Laboratory of Spatial Analysis – Geographical Information Systems and Thematic Mapping (2013 - 2016)

20. Organizing committees

1. (co-chair) 5th international conference on Geographic Object-Based Image Analysis (GEOBIA), 21 -23 May, Thessaloniki, Hellas, 2014.
2. 7th European GIS Education Seminar, 2010, 9 - 12 September, Serres, Hellas.
3. 2nd National conference for Urban and Regional Planning, Volos, 24 – 27 SEP, 2009

21. Scientific comities

1. 1st Conference in Spatial Analysis, Hellenic Society of Swedish Scholars, Department of Geography, Harokopion University, Athens, 17-19 May 2013.
2. International Conference on “Changing Cities”: Spatial, morphological, formal & socio-economic dimensions, Skiathos island, Hellas, June 18 - 21, 2013
3. 3rd National conference for Urban and Regional Planning, Volos, 27 – 30 SEP, 2012.
4. 32nd EARSEL Symposium, 23-25 May, Myconos, Hellas. 2012.

22. Editorial boards

1. AEIHOROS, 2009 - (www.aeihoros.gr)

23. Reviewer

journals :

1. Journal of Maps (2013)
2. IEEE Transactions in Geoscience and Remote Sensing (2006)
3. IEEE Geoscience and Remote Sensing Letters (2007)
4. IEEE Transactions on Systems, Man, and Cybernetics, Part B (2008)
5. Remote Sensing of Environment (2005)
6. Photogrammetric Engineering & Remote Sensing (2007)
7. International Journal of Remote Sensing (2006)
8. International Journal of Computational Intelligence Research (2007)
9. Journal of Uncertain Systems (2009)

10. Journal of Agricultural Science and Technology – Iran (2009)
11. British Journal of Environment and Climate Change (2012)

conferences

1. IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 2009-2015
2. 35th Canadian Symposium on Remote Sensing
3. 30 National conference for Urban and Regional Planning, 2009, Volos, 24 – 27 Sep.
4. 10 International Conference for the Environment CEMEPE, 2007, Skiathos, 24-28 June

24. Evaluator

research

1. Cyprus Research Promotion Foundation, external evaluator, 2013.
2. Israel Science Foundation, external evaluator, 2007.
3. Hellenic Information Society S.A., External Evaluator, 2014.
4. Ministry of Education, External Evaluator, 2014-2015.

scholarships

1. Hellenic Scholarships Foundation (IKY), external Evaluator for several scholarships including doctoral research.

other

1. Intergovernmental Panel on Climate Change (IPCC), Working Group II (WGII), 5th Assessment Report (AR5), Climate Change 2014 Impacts, Adaptation and Vulnerability, Expert Reviewer

25. Chair

1. Earsel, 2012, 23-25 May, Myconos, chair “Proba-V”.
2. 7th National conference HellasGIS, 2012, Athens, 17-18 May, chair “Urban Sprawl models”.
3. 6th National conference HellasGIS, 2010, Athens, 2-3 Dec., chair “Spatial Analysis”.
4. 2nd National conference Urban and Regional Planning and Development 2009, Volos, 24 – 27 Sep., chair “Geoinformatics – spatial analysis and planning”
5. 5th National conference HellasGIS, 2008, Athens, 4 - 5 Dec, chair “Local administration”
6. SPIE Remote Sensing conference on "Image and Signal Processing for Remote Sensing", 2007, Florence, 18- 20 September, Chair for “Geometric and Radiometric Corrections” session.

26. National and international awards and achievements

1. Vice national representative Urban Data Management Society (UDMS) (2013 – today) <http://www.udms.nyet/>