Dimitris Kavroudakis

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01) Introduction

Dr. Dimitris Kavroudakis is an Associate Professor of 'Geographical Analysis' in the Geography Department, University of the Aegean. He has studied computer info systems in the American College of Greece (DEERE), Geography in The University of the Aegean and he obtained his MSc in GIS from the University of Leeds, UK. He holds a PhD in Geography from the University of Sheffield, UK and has worked as post-doc researcher in UCL (CASA), University of Sheffield and The University of the Aegean. Over the years, he has been involved in high quality geographical research which led to a number of scientific publications in the field. Some of his academic interests include location analysis, spatial analysis, network analysis, GIS, open source and economic geography. He has been involved in research concerning: Spatial Analysis, Geocomputation, Spatial Statistics, Location Analysis, Web-GIS, Data Mining and Open Source GIS development. He uses new approaches in geographical analysis such as Artificial Intelligence and Agent Based Modelling and supports new computational approaches such as Grid Computing and large scale distributed modelling. Dimitris is an experienced programmer and a Linux/Open-Source supporter utilizing Open Hardware such as Raspery-Pi, ESP32 and Android OS.

02) Work Experience

- (A12) 2023 **Associate Professor of Geographical Analysis**, (permanent staff member) (ΦΕΚ Γ 226/2023), *University of the Aegean, Department of Geography*
- (A11) 2019 **Assistant Professor of Geographical Analysis**, (permanent staff member) (ΦΕΚ Γ 562/2019), *University of the Aegean, Department of Geography*
- (A10) 2015 **Assistant Professor of Geographical Analysis**, (non tenure track) (ΦΕΚ Γ 696/2015), *University of the Aegean, Department of Geography*
- (A9) 2014 **PostDoc Researcher**, Advanced Quantitative Landscape Analysis - Building the knowledge-base developing an LCA best-practice methodology (BPM) for the East Mediterranean, *University of the Aegean, Department of Geography*
- (A8) 2013 **PostDoc Researcher**, Advances in Geostatistics for Environmental Characterization and Natural Resources Management, *University of the Aegean, Department of Geography*
- (A7) 2011 **PostDoc Researcher**, Development of cartographic material for the course of Geography for the primary school with cooperation with the Greek Ministry of Education, *University of the Aegean, Department of Geography*
- (A6) 2011 **Researcher**, Economic Geography and Spatial Analysis, *National Confederation of Greek Commerce, Institute for Trade and Services (IN.EM.Y), Geographical analysis of Greek*

trade sectors under financial crisis

- (A5) 2010 **PostDoc Researcher**, NESSE Project(DG EAC/37/06) - The geographic/regional dimension of educational inequality in the EU *Link 1*, *Link 2*, *University of Sheffield, Department of Geography, UK SASI Research Group*
- (A4) 2010 **PostDoc Researcher**, *CIRCE*: "Climate Change and Impact Research": the Mediterranean Environment, 6th Framework Programme, Priority 1.1.6.3, Global Change and Ecosystem, *University of the Aegean, Department of Geography*
- (A3) 2008 **PostDoc Researcher**, Web GIS Visualization of the 2011 UK Census of Population, *UCL, London - Department of Geography - Centre for Advanced Spatial Analysis: CASA*
- (A2) 2004 **Academic intern**, Programmer for the project: Spatial Interaction Models for the geographical analysis of petrol prices spatial distribution in Leeds, UK, *University of Leeds, School of Geography, UK Centre for Computational Geography*
- (A1) 2003 **GIS Analyst**, Development and management of Greek National Cadastre for the local authorities of Heraclion Crete, *WS ATKINS Hellas*

03) Education

- B4 2010, **PhD in Geography**, Thesis: *Department of Geography University of Sheffield, UK*
- B3 2005, **MSc in Geographical Information Systems**, Thesis: *School of Geography, University of Leeds, UK*
- B2 2004, **BA in Geography**, Thesis: *University of the Aegean, Department of Geography*
- B1 2000, **BA in Associate in Business: Computer Information Systems**, Thesis: *American College of Greece (DEERE)*

04) Peer Reviewed Journal Articles

- (C43) Zafeirelli S., Kavroudakis D. (2024), **Comparison of outlier detection approaches in a Smart Cities sensor data context**, *International Journal on Smart Sensing and Intelligent Systems*, Volume 17, Issue 1 [doi]
- (C42) Tringa, E., Kavroudakis, D., Tolika, K. (2024), **Microclimate-Monitoring: Examining the Indoor Environment of Greek Museums and Historical Buildings in the Face of Climate Change**, *Heritage (Special Issue: Exploring Novel Approaches to Preserve and Monitor the Cultural Heritage Materials)*, Volume 7, Issue 3 [doi]
- (C41) Kalaitzis, P., Foumelis, M., Mouratidis A., KavroudakisD., Soulakellis N. (2024), **Multiscale visualization of Persistent Scatterer Interferometry surface motion data**, *ISPRS International Journal of Geo-Information*, Volume 13, Issue: 7 [doi]
- (C40) Kavroudakis, D., Kizos, T., Tscheulin, T., Katsikogiannis, G., Stavrianakis, G., Tsalta, L. (2024), **Spatial analysis of olive fly on Samos island**, *International Journal of Pest Management*, Volume 0, 1–13. [doi]
- (C39) Papadopoulou, E. E., Kavroudakis, D., Agelada, A., Zouros, N., Soulakellis, N., & Kasapakis, V (2024), **Virtual reality in geoeducation: the case of the Lesvos Geopark**, *Interactive Learning Environments*, Volume 1, Issue 17 [doi]
- (C38) Fayad, Philip, Phaedon Kyriakidis, Constantinos Tsioutis, and Dimitris Kavroudakis (2024), **A Survey to Capture the Mobility Behavior of Residents in the Republic of Cyprus**, *European Journal of Geography*, Volume 15, Issue 4, pages:305-18 [doi]
- (C37) Agourogiannis P., Kavroudakis D., Batsaris M., Zafeirelli S. (2023), **Towards a Similarity Index of network paths in Spatial Networks**, *European Journal of Geography*, Vol. 14 No. 1

[doi]

- (C36) Batsaris M., Kavroudakis D. (2023), **populR: a Package for Population Downscaling in R**, *The R Journal*, Vol. 14 No. 4 [doi]
- (C35) Avanidou, K., Alexandridis, T., Kavroudakis, D., Kizos T. (2023), **Development of a multi scale interactive web-GIS system to monitor farming practices: a case study in Lemnos Island, Greece**, *Smart Agricultural Technology*, 5(2):100313 [doi]
- (C34) Katsikogiannis, G.; Kavroudakis, D.; Tscheulin, T.; Kizos, T. (2023), **Population Dynamics of the Olive Fly, Bactrocera oleae (Diptera: Tephritidae), Are Influenced by Different Climates, Seasons, and Pest Management**, *Sustainability*, 15, 14466 [doi]
- (C33) Batsaris, M, Zafeirelli, S., Vaitis, M., Kavroudakis, D. (2023), **PoD: A Web Tool for Population Downscaling Using Areal Interpolation and Volunteered Geographic Information**, *European Journal of Geography*, 14 (4):22-36 [doi]
- (C32) Vgena, K., Kitsiou, A., Kalloniatis, C., Kavroudakis, D. (2022), **Disclosing Social and Location Attributes on Social Media: The Impact on Users' Privacy**, *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 13106 LNCS, pp. 138-157.* [doi]
- (C31) Rania Rizou, Ekaterini Klonnari, Kavroudakis D. (2022), **Investigating the Impact and Effectiveness of an ICT-based Teaching Scenario on Secondary School Students' Geospatial and Statistical Literacy: A Case Study from Greece**, *European Journal of Geography*, Vol.13, Issue 3, 2022 [doi]
- (C30) Vasilakos, C. Tsekouras, G., Kavroudakis, D. (2022), **LSTM-Based Prediction of Mediterranean Vegetation Dynamics Using NDVI Time-Series Data**, *Land*, Vol. 11, Issue 923 [doi]
- (C29) Kizos T., Zafirelli S., Spilanis I., Kavroudakis D. (2022), **A policy tool for island transport cost inequality: Exploration of the application of the "Transport Equivalent Threshold" on Greek islands**, *Island Studies Journal*, Vol. 1, Issue 21 [doi]
- (C28) Rizou, O., Klonari, A., Kavroudakis, D. (2022), **statistics4school.eu: A Novel Educational Web Platform for Statistical and Geospatial Learning**, *Journal of Education Society and Behavioural Science*, 35(4), 1–13 [doi]
- (C27) Theano S. Terkenli, Aikaterini Gkoltsiou, Dimitris Kavroudakis (2021), **The Interplay of Objectivity and Subjectivity in Landscape Character Assessment: Qualitative and Quantitative Approaches and Challenges**, *Land*, Volume 10, Issue 1 [doi]
- (C26) Phaedon Kyriakidis, Dimitris Kavroudakis, Philip Fayad, Stylianos Hadjipetrou, Georgios Leventis, Apostolos Papakonstantinou (2021), **Promoting the adoption of agent-based modelling for synergistic interventions and decision-making during pandemic outbreaks**, *AGILE GIScience Series 2, 44, 2021*, Volume 2, pages: 1-5 [doi]
- (C25) Rammou, D.L., Kavroudakis, D., Youlatos, D. (2021), **Distribution, Population Size, and Habitat Characteristics of the Endangered European Ground Squirrel (Spermophilus citellus, Rodentia, Mammalia) in Its Southernmost Range**, *Sustainability (ISSN 2071-1050), Special Issue Mammal Status: Diversity, Abundance and Dynamics*, Volume 13, Issue: 15 [doi]
- (C24) Rania Rizou, Ekaterini Klonnari, Kavroudakis D. (2021), **Supporting statistical literacy with ICT based teaching scenario**, *International Journal of Education (IJE)*, Volume 9, Issue: 4 [doi]
- (C23) Batsaris M., Kavroudakis D., Hatjiparaskevas E., Agourogiannis P. (2021), **Spatial Decision Support System for Efficient School Location-Allocation**, *European Journal of Geography*, Volume 12, Issue 4 [doi]
- (C22) Agourogiannis P., Kavroudakis D., Batsaris M. (2021), **Spatial Analysis on Networks: Towards identifying similarity of routes**, *European Journal of Geography*, Volume 12, Issue

4 [doi]
- (C21) Peppa, M., Vasilakos, C., Kavroudakis, D. (2020), **Eutrophication Monitoring for Lake Pamvotis, Greece, Using Sentinel-2 Data**, *ISPRS International Journal of Geo-Information (IJGI)*, Volume 9, Issue 3, pages: 143 [doi]
- (C20) Vasilakos C., Kavroudakis D., Georganta A. (2020), **Machine Learning Classification Ensemble of Multitemporal Sentinel-2 Images: The Case of a Mixed Mediterranean Ecosystem**, *Remote Sensing, Special Issue: "Artificial Neural Networks and Evolutionary Computation in Remote Sensing"*, Volume 12, Issue 12 [doi]
- (C19) Nikolaos Soulakellis, Christos Vasilakos, Stamatis Chatzistamatis, Dimitris Kavroudakis, Georgios Tataris, Ermioni-Eirini Papadopoulou, Apostolos Papakonstantinou, Olga Roussou, Themistoklis Kontos (2020), **Post-earthquake recovery phase monitoring and mapping based on UAS data**, *ISPRS International Journal of Geo-Information, Special Issue: "Geo-Information in Earthquake Studies"*, Volume 9, Issue 7 [doi]
- (C18) Spondylidis,S., Topouzelis, T., Kavroudakis, D., Vaitis M. (2020), **Mesoscale Ocean Feature Identification in the North Aegean Sea with the Use of Sentinel-3 Data**, *Journal of Marine Science and Engineering, Special Issue Coastal and Marine Geographic Information Systems*, Volume 8, Issue 10 [doi]
- (C17) Batsaris, M., Kavroudakis, D., Soulakellis, N., Kontos, T. (2019), **Location-Allocation Modeling for Emergency Evacuation Planning in a Smart City Context The Case of Earthquake in Mytilini, Lesvos, Greece**, *International Journal of Applied Geospatial Research (IJAGR)*, Volume 10, Issue 4, Article 3, p.28-43 [doi]
- (C16) Vaitis, M., Kavroudakis, D., Koukourouvli, N., Simos, D., Sarigiannis, G. (2019), **An Integrated Information System for Road Traffic Accidents: The Lesvos Island, Greece, Case Study**, *International Journal of Applied Geospatial Research (IJAGR)*, Volume 10, Issue 3, Article 2, p.21-28 [doi]
- (C15) Panagiotis Kouloumentas, Efstratios Kavroudakis, Efstathios Charalampidis, Dimitris Kavroudakis, Georgios K. Triantafyllopoulos (2019), **Superior knee flexor strength at 2 years with all-inside short-graft anterior cruciate ligament reconstruction vs a conventional hamstring technique**, *Knee Surgery, Sports Traumatology, Arthroscopy*, 27(11), pp. 3592-3598 [doi]
- (C14) Panagiotis Kouloumentas, Efstratios Kavroudakis, Ioannis Tsekouras, Efstathios Charalampidis, Georgios Triantafyllopoulos, Dimitris Kavroudakis (2019), **Posterior semitendinosus tendon harvesting minimizes the risk of injury to the infrapatellar and sartorial branches of the saphenous nerve**, *Journal of Research and Practice on the Musculoskeletal System*, Volume 02, Issue 04, pages: 131 to 135 [doi]
- (C13) Papakostantinou A., Kavroudakis D., Kourtzellis Y., Chtenellis M., Kopsachilis V., Topouzelis K., Vaitis M. (2019), **Mapping Cultural Heritage in Coastal Areas with UAS: The Case Study of Lesvos Island**, *Heritage*, Volume 2, Issue 2, pages: 1404 to 1422 [doi]
- (C12) Vgena, A., Kitsiou, A., Kalloniatis, C., Kavroudakis D., Gritzalis S. (2019), **Toward Addressing Location Privacy Issues: New Affiliations with Social and Location Attributes**, *Future Internet*, Volume 11, Issue 11, pages: 234 [doi]
- (C11) Kalloniatis, C., Kavroudakis, D., Polidoropoulou, A., Gritzalis S. (2018), **Designing Privacy-Aware Intelligent Transport Systems: A roadmap for identifying the major privacy concepts**, *International Journal of Applied Geospatial Research (IJAGR)*, Volume 10, Issue 1, Article 5, p.73-91 [doi]
- (C10) Kalaitzis, P., Kavroudakis, D., Soulakellis, N. (2018), **The use of spatial analysis approaches for smart decision making of subterranean water**, *International Journal of Applied Geospatial Research (IJAGR)*, Volume 10, Issue 4, Article 4 [doi]
- (C9) N. Soulakellis, S. Chatzistamatis, C. Vasilakos, G. Tataris, A. Papakonstantinou, D.

Kavroudakis, K. Topouzelis, O. Roussou1, C. Kalloniatis, E. E. Papadopoulou, K. Chaidas and P. Kalaitzis (2018), **Synergistic Exploitation of Geoinformation Methods for Post-Earthquake 3D mapping of Vrisa traditional settlement, Lesvos island, Greece**, *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, 42(3W4), pp. 491-498 [doi]

- (C8) D. Kavroudakis, N. Soulakellis, K. Topouzelis, S. Chatzistamatis, C. Vasilakos, A. Papakostantinou, G. Tataris, C. Kalloniatis, O. Rousou, M. Batsaris, K. Chaidas, and P. Kalaitzis (2018), **Efficiency and Effectivness aproaches in Spatial Data Collection of Vrisa after Lesvos earthquake**, *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, 42(3W4), pp. 277-281 [doi]

- (C7) Simou, S., Troumpis, I., Kalloniatis, C., Kavroudakis, D., Gritzalis, S. (2018), **A decision-making approach for improving organizations' cloud forensic readiness**, *Lecture Notes in Computer Science*, 11033 LNCS, pp. 150-164 [doi]

- (C6) Karampela, S., Kavroudakis, D., Kizos, T. (2017), **Agritourism Networks: Empirical evidence from two cases studies in Greece**, *Current Issues in Tourism*, 22(12), pp. 1460-1479 [doi]

- (C5) Terkenli S. T., Kavroudakis D. (2017), **A Stakeholders' Analysis of Eastern Mediterranean Landscapes: Contextualities, Commonalities and Concerns**, *Land*, 6(4), 90 [doi]

- (C4) Kavroudakis, D. (2016), **Geographical Analysis of Emergency Evacuation stations in the Aegean Sea: a location-allocation modeling approach**, *Journal of Urban Technologies, Special Issue: Planning the "Smartening Up" of Small and Medium-sized Cities and Island Communities in the Mediterranean, ISSN: 1063-0732 Impact Factor:1.32* [doi]

- (C3) Kavroudakis, D. (2015), **sms: An R Package for the Construction of Microdata for Geographical Analysis**, *Journal of Statistical Software*, Issue:2, Volume:68, Impact Factor:3.82 [doi]

- (C2) Kavroudakis, D., Kyriakidis, P. (2013), **DTH 1.0: Towards an Artificial Intelligence Decision Support System for Geographical Analysis of health data**, *European Journal of Geography*, Volume 4, Issue 3: 38-49, ISSN 1792-1341 [doi]

- (C1) Kavroudakis, D., Ballas, D., Birkin, M. (2012), **Using Spatial Microsimulation to Model Social and Spatial Inequalities in Educational Attainment**, *Applied Spatial Analysis and Policy*, Volume 6, Issue 1, pp.1-23 [doi]

05) Books

- (D3) Kavroudakis D. (2020), **Spatial Analysis: Theory and Methods with R (in Greek)**, Disigma, Greece, ISBN: 978-618-202-021-0 Link

- (D2) Briasoulis H., Kavroudakis D., Soulakellis N. (2019), **The Practice of Spatial Analysis**, Springer International, ISBN 978-3-319-89806-3, Link

- (D1) Anastasia Stratigea, Dimitris Kavroudakis (2018), **Mediterranean Cities and Island Communities - Smart, Inclusive and Resilient**, Springer International, ISBN 978-3-319-99444-4 , Link

06) Peer Reviewed Book Chapters

- (E14) Kavroudakis, D., Zafeirelli, S., Agourogiannis, P., Batsaris, M. (2023), **The Art of Geographical Analysis of COVID-19-Related Data**, *In: Klonari, A., De Lázaro y Torres,*

M.L., Kizos, A. (eds) Re-visioning Geography. Key Challenges in Geography. Springer, Cham

- (E13) Katsikogiannis, G., Kopsachilis, V., Michalakis, V.I, Kavroudakis, D., Vaitis, M., Tscheulin, T., Stavrianakis, G., Sentas, S., Kizos, Thanasis (2023), **Pest Management with Precision Farming Tools: The Case of the Olive Fly (Bactrocera Oleae)**, *In: Klonari, A., De Lázaro y Torres, M.L., Kizos, A. (eds) Re-visioning Geography. Key Challenges in Geography. Springer, Cham*

- (E12) Vgena K., Kitsiou A., Kalloniatis C., Kavroudakis D. (2019), **Do Identity and Location Data Interrelate? New Affiliations and Privacy Concerns in Social-Driven Sharing**, *Trust, Privacy and Security in Digital Business*

- (E11) Briasoulis, Dimitris Kavroudakis, N. Soulakellis (2019), **Introduction: The Practice of Spatial Analysis**, *The Practice of Spatial Analysis*

- (E10) Soulakellis N., Tataris G., Papadopoulou E., Chatzistamatis S., Vasilakos C., Kavroudakis D., Roussou O., Papakonstantinou A. (2019), **Synergistic Exploitation of Geoinformation Methods for Post-earthquake 3D Mapping and Damage Assessment: Gi4DM 2018**, *Intelligent Systems for Crisis Management*

- (E9) Kavroudakis, D., Kalloniatis, C., Theodorou, P. (2018), **Geographical analysis of emergency evacuations in the Aegean sea, Greece: Towards the use of Big Data, Location Allocation modeling**, *Mediterranean Cities and Island Communities, Edited by A.Stratigea, D. Kavroudakis*

- (E8) Kavroudakis, D., Polydoropoulos I., Kyriakidis P., Kizos T. (2018), **Spatial Patterns of Accessibility Between Islands of the North and South Aegean Regions and Attica**, *Briasoulis, Kavroudakis, Soulakellis, "The Practice of Spatial Analysis", Springer International*

- (E7) Stavros Simou, Ioannis Troumpis, Christos Kalloniatis, Dimitris Kavroudakis, Stefanos Gritzalis (2018), **A Decision-Making Approach for Improving Organizations' Cloud Forensic Readiness**, *Trust, Privacy and Security in Digital Business, Springer, 15th International Conference, TrustBus 2018, Proceedings*

- (E6) Kavroudakis, D., Penteridou, Z.M (2017), **Geographical Analysis of Emergency Evacuations in the Aegean Sea: Towards the Utilization of Big Data Analytics**, *Smart Cities in the Mediterranean Coping with Sustainability Objectives in Small and Medium-sized Cities and Island Communities, Springer Edited Volume, New York, Edited by A. Stratigea, C. Nicolaides and E. Kyriakides*

- (E5) Kavroudakis, D., Skalidi, F., Tsakou, D. (2017), **Spatial Micro Level Analysis of building structures in Samos island**, *Smart Cities in the Mediterranean Coping with Sustainability Objectives in Small and Medium-sized Cities and Island Communities, Springer Edited Volume, New York, Edited by A. Stratigea, C. Nicolaides and E. Kyriakides*

- (E4) Kyriakidis, P., Kitsiou, D. Kavroudakis, D. (2014), **Multivariate Variogram and Madogram: Tools for Quantifying Diversity/Dissimilarity**, *Spatiotemporal Data. In E. Pardo-Igúzquiza, C. Guardiola-Albert, J. Heredia, L. Moreno-Merino, J. J. Durán, J. A. Vargas-Guzmán, eds. Mathematics of Planet Earth. Lecture Notes in Earth System Sciences. Springer Berlin Heidelberg, Springer, pp. 235-238*

- (E3) Kavroudakis, D., Kyriakidis, P. (2014), **DTH 1.0: Towards an Artificial Intelligence Decision Support System for Geographical Analysis of health data**, *Geospatial Technologies and Geographical Issues, Edited by Kostis C. Koutsopoulos and Yorgos N. Photis. ISBN: 9783863874704*

- (E2) Kavroudakis, D., Ballas, D., Birkin, M. (2013), **SimEducation: A Dynamic Spatial Microsimulation Model for Understanding Educational Inequalities**, *R. Tanton and K. Edwards, eds. Spatial Microsimulation: A Reference Guide for Users. Understanding*

Population Trends and Processes, Springer Netherlands, pp. 209-222
- (E1) Kavroudakis, D. (2012), **Open source approach to contemporary research: the case of Geo-information technology**, *Shalin Hai-Jew, Open-Source Technologies for Maximizing the Creation, Deployment, and Use of Digital Resources and Information, IGI Global, Hershey PA, USA*

07) Other Publications

- (F21) Kavroudakis, D. (2015), *Knowledge Engineering*, PEGA program, teaching material
- (F20) Kavroudakis, D. (2015), *Introduction to Spatial Analysis Methods*, PEGA program, teaching material
- (F19) Kavroudakis, D. (2014), *Geographical changes between businesses of March-September 2013 by area of interest (in Greek)*, ESEE: National Confederation of Greek Commerce - INEMY: Institute for Trade and Services, link
- (F18) Kavroudakis, D. (2014), *Geographical analysis of data from the General Comerce Inventory of business (Γ.ΕΜ.Η) (in Greek)*, ESEE: National Confederation of Greek Commerce - INEMY: Institute for Trade and Services, link
- (F17) Kavroudakis, D. (2013), *Geographical changes between recordings of March-September 2013 by street (in Greek)*, ESEE: National Confederation of Greek Commerce - INEMY: Institute for Trade and Services, link
- (F16) Kavroudakis, D. (2013), *Comparison of spatial point patterns of closed business during the period of: September 2012 - March 2013*, ESEE: National Confederation of Greek Commerce - INEMY: Institute for Trade and Services, link
- (F15) Kavroudakis, D. (2013), *Geographical analysis of comercial areas with the use of Agent Based Modelling (in Greek)*, ESEE: National Confederation of Greek Commerce - INEMY: Institute for Trade and Services, link
- (F14) Kavroudakis, D. (2013), *Editor and contributor in: Whitworth, Adam, Evaluations and improvements in small area estimation methodologies*, National Center for Research Methods (UK), link
- (F13) Kavroudakis, D. (2013), *Geographical analysis of trading business in the town of Thessaloniki (in Greek)*, ESEE: National Confederation of Greek Commerce - INEMY: Institute for Trade and Services, link
- (F12) Kavroudakis, D. (2013), *Geographical analysis of trading business in the town of Larisa (in Greek)*, ESEE: National Confederation of Greek Commerce - INEMY: Institute for Trade and Services, link
- (F11) Kavroudakis, D. (2013), *Geographical analysis of trading business in the town of Ioannina (in Greek)*, ESEE: National Confederation of Greek Commerce - INEMY: Institute for Trade and Services, link
- (F10) Kavroudakis, D. (2013), *Geographical analysis of trading business in the town of Patra (in Greek)*, ESEE: National Confederation of Greek Commerce - INEMY: Institute for Trade and Services, link
- (F9) Kavroudakis, D. (2012), *Geographical analysis of trading business in the town of Heraklion - Crete (in Greek)*, ESEE: National Confederation of Greek Commerce - INEMY: Institute for Trade and Services, link
- (F8) Kavroudakis, D. (2012), *Record and analyse the geographical characteristcis of closed business in the main comercial streets*, ESEE: National Confederation of Greek Commerce - INEMY: Institute for Trade and Services, Ενίσχυση της επιστημονικής και επιχειρησιακής ικανότητας και της τεκμηρίωσης της ΕΣΕΕ. Κωδικός ΟΠΣ:296250, link

- (F7) Ballas, D., Lupton, R., Kavroudakis, D., Hennig, B., Yiagopoulou, V., Dale, R. and Dorling, D. (2012), *Mind the Gap: Education Inequality across EU regions, European Commission, Brussels*, An independent report authored for the European Commission by the Network Of Experts in Social Sciences of Education And Training (NESSE), link
- (F6) Kavroudakis, D. and Ballas, D. (2011), *The essence of Greek spirit: ouzo alchemy and the joy of life in an island economy*, Regional Science Association International Newsletter
- (F5) Kavroudakis, D., Tataris, G. (2011), *QRcodes in Mytilene city*, Dimokratis Newspaper, 25-November-2011
- (F4) Kavroudakis, D. (2010), *Spatial microsimulation approach to the analysis of social and spatial inequalities in higher education attainment*, PhD Thesis at Department of Geography, University of Sheffield, UK
- (F3) Kavroudakis, D. (2005), *Spatial Interaction Modelling for the geographical distribution of petrol prices*, MSc Thesis at University of Leeds, School of Geography, UK
- (F2) Kavroudakis, D. (2004), *Geographical analysis of landscape and its characteristics with the use of advanced GIS and virtual reality (in Greek)*, Thesis at University of the Aegean, Department of Geography
- (F1) Kavroudakis, D. (2000), *Multimedia and web programming*, Thesis at American College of Greece (DEERE)

08) Peer Reviewed Conference Papers

- (G61) Dimitris Kavroudakis, (2022), **The art of geographical analysis of covid19 related data**, *EUROGEO conference Lesvos 2022*, 5-6 May 2022, Mytilini, Lesvos, Greece
- (G60) Dimitris Kavroudakis, Sofia Zafeirelli (2021), **Analysing spatio-temporal data for supporting decision making in smart cities context**, *FOSSCOMM-2021*, 13-14 November 2021, Thessaloniki, Greece
- (G59) Dimitris Kavroudakis, Panagiotis Agourogiannis (2021), **Analysing spatial networks with geocomputation methods**, *FOSSCOMM-2021*, 13-14 November 2021, Thessaloniki, Greece
- (G58) Marios Batsaris, Dimitris Kavroudakis (2021), **populR: an R library for downscaling population spatial data**, *FOSSCOMM-2021*, 13-14 November 2021, Thessaloniki, Greece
- (G57) Dimitris Kavroudakis, Panagiotis Agourogiannis, Marios Batsaris, Sofia Zafeirelli (2021), **Smart devices for public buildings: From data to knowledge**, *FOSSCOMM-2021*, 13-14 November 2021, Thessaloniki, Greece
- (G56) Phaedon Kyriakidis, Dimitris Kavroudakis, Philip Fayad, Stylianos Hadjipetrou, Georgios Leventis, Apostolos Papakonstantinou (2021), **Promoting the adoption of agent-based modelling for synergistic interventions and decision-making during pandemic outbreaks**, *AGILE: GIScience Series Conference, Volume 2, pages: 1-5*, NA
- (G55) Katerina Vgena, Angeliki Kitsiou, Christos Kalloniatis, Dimitris Kavroudakis (2021), **isclosing Social and Location Attributes on Social Media: The Impact on Users' Privacy**, *5th International Workshop on SECurity and Privacy Requirements Engineering SECPRE 2021*, NA
- (G54) Kalliopi Avanidou, Dimitris Kavroudakis, Thomas Alexandridis, Thanasis Kizos (2020), **From the Field to the Landscape: Designing a System for Assessing the Impact of Farming Systems on Biodiversity using Landscape Metrics**, *HAICTA 2020 Information and Communication Technologies in Agriculture, Food and Environment*, NA
- (G53) Κυριακίδης Φαίδων, Καβρουδάκης Δημήτρης, Παπακωνσταντίνου Απόστολος, Χατζηπέτρου Στυλιανός, Λεβέντης Γεώργιος, Φαγιάτ Φίλιππος (2020), **Ο ρόλος της**

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- (G52) Kavroudakis D., Agourogiannis P., Batsaris, M., Vaitis M. (NA), **Similarity of paths in spatial networks: The case of long-distance athletic events**, *AGILE Conference 2019, Lemesos, Cyprus*, 26 June 2019
- (G51) Agourogiannis P., Kavroudakis D., Kalloniatis C. (2018), **Smart Spatial Network Paths: The case of cultural routes**, *1st International CICMS Conferece Cultural Informatics, Communication & Media Studies, 3-4 May, 2018*, Kuşadası, TURKEY
- (G50) Batsaris M., Stavridis S., Kavroudakis D., Kalloniatis C. (2018), **The use of Internet of Things in cultural sites: A critical overview**, *1st International CICMS Conferece Cultural Informatics, Communication & Media Studies, 3-4 May, 2018*, Kuşadası, TURKEY
- (G49) Batsaris M., Kavroudakis D. (2018), **GIS based estimation of spatio-temporal population distribution in building level: Towards a safer city**, *3rd Euro-Mediterranean Conference & Exhibition 5-6 October 2018*, Larnaca, Cyprus
- (G48) Topouzelis K., Papakonstantinou A., Kourtzellis I., Kavroudakis D., Chtenellis M., Vaitis M., Mermiklis C.G. (2018), **Mapping cultural heritage in coastal areas with UAS: the case study of Lesvos island**, *3rd Euro-Mediterranean Conference & Exhibition 5-6 October 2018*, Larnaca, Cyprus
- (G47) Dhembi A., Xhina E., Kavroudakis D., Kalloniatis C. (2018), **Designing a Mobile Augmented Reality Application using Open-Source Libraries**, *3rd Euro-Mediterranean Conference & Exhibition 5-6 October 2018*, Larnaca, Cyprus
- (G46) Kalloniatis C., Kavroudakis D., Polydoropoulou A., Gritzalis S. (2019), **Secure and Privacy-Aware Intelligent Transport Systems and their Role on Smart Cities Development**, *Transportation Research Board*, Washington DC, United States
- (G45) Ζούλφου Δήμητρα, Καβρουδάκης Δημήτρης (2016), **Spatial analysis of urban transportation: The case of bike sharing**, *HellasGI 2016*, NA
- (G44) Kavroudakis, D., Agourogiannis P., Batsaris M., Vaitis M., (2019), **Similarity of paths in spatial networks: The case of long-distance athletic events**, *AGILE Conference 2019*, Limassol, Cyprus
- (G43) Theano S. Terkenli, Aikaterini Gkoltsiou, Dimitris Kavroudakis (2018), **Objective vs. subjective, quantitative vs. qualitative: a meta-analysis of Landscape Character Assessment premises, challenges, tools and compromises**, *11th International Conference of the Hellenic Geographical Society*, Lavrio (Greece) 12-15/4/2018
- (G42) Panagiotis Kouloumentas, Efstratios Kavroudakis, Stathis Charalampidis, Dimitris Kavroudakis, Georgios K. Triantafyllopoulos (2018), **Anterior Cruciate Ligament Reconstruction Using An All-Inside Short-Graft Technique Vs A Conventional Hamstring Technique: A Prospective, Randomized Comparative Study With 2-Year Follow-Up**, *12th Biennial ISAKOS Congress*, Cancun, Mexico on May 12-16, 2019
- (G41) Stavros Simou, Ioannis Troumpis, Christos Kalloniatis, Dimitris Kavroudakis, Stefanos Gritzalis (2018), **A Decision-Making Approach for Improving Organizations' Cloud Forensic Readiness**, *15th International Conference, TrustBus 2018, September 5–6, 2018, Proceedings*, Regensburg, Germany
- (G40) Kostopoulou E., Kizos A., Katsikogiannis G, Moskiou V., Kavroudakis D., Tscheulin T. (2018), **Potential effects of climate change on olive fruit fly: a case of study in Samos, Greece**, *14th International Conference on Meteorology, Climatology and Atmospheric Physics, October 15-17, 2018*, Alexandroupolis, Greece
- (G39) Aikaterini Vgena, Angeliki Kitsiou, Dimitris Kavroudakis, Christos Kalloniatis (2018), **The role of Social Software Engineering in the design of Privacy-aware Information Systems**, *1st International CICMS Conferece Cultural Informatics, Communication & Media*

Studies, 3-4 May, 2018At: Kuşadası, TURKEY

- (G38) Ν. Τζιώκας, Γ. Βέλλιος, Β. Ντούφας, Δ. Καβρουδάκης, Ν. Σουλακέλλης (2018), **4D optical illumination of DMSP/OLS and Suomi NPP satellites for exploring the urban effects of warfare conflicts; The case of Syria**, *ΧΑΡΤΟΓΡΑΦΙΚΗ ΕΠΙΣΤΗΜΟΝΙΚΗ ΕΤΑΙΡΕΙΑ ΕΛΛΑΔΑΣ, "Η Χαρτογραφία των Κρίσεων", 15ο Εθνικό Συνέδριο Χαρτογραφίας*, Θεσσαλονίκη, 31 Οκτωβρίου - 2 Νοεμβρίου 2018

- (G37) P. Agourogiannis, P. C. Lepeniotis, G. Tataris, D. Kavroudakis (2018), **Geographical Analysis of road networks for the identification of similar routes: The case of long race athletic events**, *11th International Conference of the Hellenic Geographical Society*, Lavrio (Greece) 12-15/4/2018

- (G36) M. Batsaris, D. Kavroudakis (2018), **Automated estimation of population spatial distribution based on statistical modeling methods**, *11th International Conference of the Hellenic Geographical Society*, Lavrio (Greece) 12-15/4/2018

- (G35) D.Voulgaris, D. Kavroudakis, I.Chorianopoulos (2018), **Analysing spatial patterns of criminal behaviour in Kalamata: an interdisciplinary approach**, *11th International Conference of the Hellenic Geographical Society*, Lavrio (Greece) 12-15/4/2018

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- (G32) D. Kavroudakis, N. Soulakellis, K. Topouzelis, S. Chatzistamatis, C. Vasilakos, A. Papakostantinou, G. Tataris, C. Kalloniatis, O. Rousou, M. Batsaris, K. Chaidas, and P. Kalaitzis (2018), **Efficiency and Effectiveness aproaches in Spatial Data Collection of Vrisa after Lesvos earthquake**, *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XLII-3/W4*, Istanbul, Turkey, 18-21 March 2018

- (G31) N. Soulakellis, S. Chatzistamatis, C. Vasilakos, G. Tataris, A. Papakonstantinou, D. Kavroudakis, K. Topouzelis, O. Roussou1, C. Kalloniatis, E. E. Papadopoulou, K. Chaidas and P. Kalaitzis (2018), **Synergistic Exploitation of Geoinformation methods for post-earthquake 3D mapping of Vrisa traditional settlement, Lesvos island, Greece**, *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XLII-3/W4*, Istanbul, Turkey, 18-21 March 2018

- (G30) Θ. Κίζος, Δ. Καβρουδάκης, Γ. Κατσικογιάννης, Β. Φιστέ, Ο. Χρυσοπουλίδου (2017), **Plant protection systems using GIS and spatial analysis for trees: An application for olive fly in Samos island, Greece**, *2 συνέδριο Γεωγραφικών Πληροφοριακών Συστημάτων και Χωρικής Ανάλυσης στη Γεωργία και στο Περιβάλλον*, Γεωπονικό Πανεπιστήμιο, Αθήνα

- (G29) Γ. Κατσικογιάννης, Θ. Κίζος, T. Tscheulin, Δ. Καβρουδάκης, Β. Φιστέ, Ο. Χρυσοπουλίδου (2017), **GIS and spatial analysis for the analysis of entomological infestations in trees: Application for olive fly in Samos island, Greece**, *2 συνέδριο Γεωγραφικών Πληροφοριακών Συστημάτων και Χωρικής Ανάλυσης στη Γεωργία και στο Περιβάλλον*, Γεωπονικό Πανεπιστήμιο, Αθήνα

- (G28) K. Bika, D. Kavroudakis (2017), **Spatial Optimization approaches in Search and Rescue operations with the use of Unmanned Aerial Vehicles**, *Smart, Inclusive and Resilient Small and Medium-sized Cities and Island Communities in the Mediterranean: Exploring Current Research Paths and Experience-based Evidence*, Heraklion-Crete / Greece, September 28-29, 2017

- (G27) M. Vaitis, D. Kavroudakis, N. Koukourouvli, D. Simos (2017), **Spatiotemporal**

Analysis of road traffic accidents at Lesvos island Greece, *Smart, Inclusive and Resilient Small and Medium-sized Cities and Island Communities in the Mediterranean: Exploring Current Research Paths and Experience-based Evidence*, Heraklion-Crete / Greece, September 28-29, 2017

- (G26) C. Kalloniatis, D. Kavroudakis, A. Polidoropoulou, S. Gritzalis (2017), **Designing Privacy-Aware Intelligent Transport Systems: A roadmap for identifying the major privacy concepts**, *Smart, Inclusive and Resilient Small and Medium-sized Cities and Island Communities in the Mediterranean: Exploring Current Research Paths and Experience-based Evidence*, Heraklion-Crete / Greece, September 28-29, 2017

- (G25) P. Kalaitzis, D. Kavroudakis, N. Soulakellis (2017), **The use of spatial analysis approaches for smart decision making of subterranean water**, *Smart, Inclusive and Resilient Small and Medium-sized Cities and Island Communities in the Mediterranean: Exploring Current Research Paths and Experience-based Evidence*, Heraklion-Crete / Greece, September 28-29, 2017

- (G24) M. Batsaris, D. Kavroudakis, N. Soulakellis (2017), **Spatial Analysis for emergency services in a Smart City context**, *Smart, Inclusive and Resilient Small and Medium-sized Cities and Island Communities in the Mediterranean: Exploring Current Research Paths and Experience-based Evidence*, Heraklion-Crete / Greece, September 28-29, 2017

- (G23) Skalidi, F., Tsakou, D., Kavroudakis, D. (2016), **Spatial Micro Level Analysis of building structures in Samos island**, *1st Euro-Mediterranean Conference "Smart Blue City"*, 14-16 April-2016 – Limassol-Cyprus

- (G22) Kavroudakis, D., Penteridou, Z,M. (2016), **Geographical Analysis of Emergency Evacuations in the Aegean Sea: Towards the Utilization of Big Data Analytics, 1st Euro-Mediterranean Conference "Smart Blue City" - 14-16 April-2016 - Limassol-Cyprus, Link**, *1st Euro-Mediterranean Conference "Smart Blue City"*, 14-16 April-2016 – Limassol-Cyprus

- (G21) Kavroudakis, D. (2016), **Big Data Analytics for geographical analysis of island economies, IGU Applied Geography Commission:Application of Big Data in Geography and Planning 8-10 May, Rhodes - Sheraton Hotel, Link**, *ISISA Islands of the World XIV Conference 2016*, 23 - 27 May 2016 Mytilene, Lesvos Island, Greece

- (G20) Kavroudakis, D., Penteridou, Z,M. (2016), **Geographical analysis of accessibility in the Aegean Sea: The case of optimal siting of emergency evacuation means with Geographical Information Systems**, *ISISA Islands of the World XIV Conference 2016*, 23 - 27 May 2016 Mytilene, Lesvos Island, Greece

- (G19) Kavroudakis, D. (2015), **Use of centrality measures in the process of business location selection**, *13th International Congress of the regional Science Association International - ERSA -*, 26-27 June-2015 - Athens Institute of Regional Development

- (G18) Kavroudakis, D., Limitsios, G. (2014), **Geographical analysis of asymmetries in retail fuel prices: The case of a single entry economy**, *European Regional Science Association (ERSA) - Greek Section*, Athens, Greece, Panteios University

- (G17) Kavroudakis, D. (2014), **Location analysis and price variations of fuel stations in the island of Lesvos, Greece**, *10th International Congress of the Hellenic Geographical Society*, Athens, Greece

- (G16) Kavroudakis, D., Vasios, G. Kyriakidis, P. (2014), **Quantification of multivariate (dis)similarity in geospatial data with the use of Free/Open source software**, *8o Conference of HellasG.I.s*, Athens, Greece

- (G15) Papakostantinou, A., Kavroudakis, D., Avanidou, K., Latsis, E., Soulakellis, N. (2014), **Visualization of Geographical Analysis of Global Scale Economic flows with web services**, *13th National Congress of Cartography*, 22-24 October-2014 - Patra, Greece

- (G14) Kavroudakis, D., Ballas, D. (2013), **Spatial Microsimulation Examples for Geographical Analysis and Policy,**, *Regional Economy, Rural Areas and Regional Analysis, European Regional Science Association - Greek Section*, 14-15 June, Patra,
- (G13) Kyriakidis, P., Kitsiou, D., and Kavroudakis, D. (2013), **Multivariate variogram and madogram: Tools for quantifying diversity/dissimilarity in spatio- temporal data**, *15th International Association for Mathematical Geosciences Conference Series, Lecture Notes in Earth System Sciences, Springer*, Madrid, Spain
- (G12) Kavroudakis, D., Ballas,D., and Monastiriotis, V. (2013), **Exploring the geography of closing businesses in the crisis-stricken Athens city centre**, *European Regional Science Association (ERSA)*, Palermo, Italy
- (G11) Kavroudakis, D., Gounari, D., Aranitou, V. (2012), **Geographical analysis of closing retail business in Athens**, *Economic Crisis, development and cohesion policies, RSAI-ERSA Greek Section, (Greek language)*, Thessaloniki
- (G10) Kavroudakis, D., Ballas, D. (2012), **Example use of Microsimulation methodologies in Greece**, *Economic Crisis, development and cohesion policies, RSAI-ERSA Greek Section, (Greek language)*, Thessaloniki
- (G9) Kavroudakis, D., Kyriakidis, P. (2011), **DTh 1.0: Towards an Artificial Intelligence Decision Support System for health data**, *17th European Colloquium on Quantitative and Theoretical Geography (ECQTG2011)*, Athens, Greece, 2-5 September 2011
- (G8) Kavroudakis, D., Ballas, D. (2010), **Agent-based modelling for labour force analysis**, *Annual meeting of European Association of Geographers: EUROGEO*, Athens, Greece, 2-5 June 2010
- (G7) Kavroudakis, D., Ballas, D., Birkin, M. (2008), **Using Spatial Microsimulation for the analysis of social and spatial inequalities**, *Studying, Modeling and Sense making of Planet Earth International Conference*, 1-6 June 2008, University of the Aegean, Department of Geography, Mytilene Lesvos Greece
- (G6) Kavroudakis, D., Ballas, D., Birkin, M. (2007), **Static spatial microsimulation: A comparison study of metaheuristic algorithms**, *1st international Conference of International Microsimulation Association*, European Center for Social Welfare Policy and Research, 19-22 August 2007 in Vienna Austria
- (G5) Kavroudakis, D., Ballas, D., Birkin, M. (2006), **Spatial microsimulation modelling for public policy analysis**, *36th annual conference of Regional Science Association International: British and Irish Section*, Jersey, Channel Islands,(theme: Social and Public Policy)16 August - 18 August 2006
- (G4) Dimitris Kavroudakis, (2022), **Εφαρμογές Χωρικής Ανάλυσης σε Έξυπνες Πόλεις**, *Η ΓΕΩΓΡΑΦΙΑ ΣΕ ΕΝΑΝ ΚΟΣΜΟ ΠΟΥ ΑΛΛΑΖΕΙ» ΛΕΣΒΟΣ 2-4 ΙΟΥΝΙΟΥ 2021*, ISBN: 978-618-86408-0-1
- (G3) Μάριος Μπάτσαρης, Παναγιώτης Αγουρόγιαννης & Δημήτρης Καβρουδάκης (2021), **Μοντέλα Χωροθέτησης – Κατανομής στη μελέτη των σχεδίων εκκένωσης σε περίπτωση μη προβλέψιμων και αιφνίδιων καταστροφών σε αστικές περιοχές. Η περίπτωση σεισμού στην πόλη της Μυτιλήνης**, *Η ΓΕΩΓΡΑΦΙΑ ΣΕ ΕΝΑΝ ΚΟΣΜΟ ΠΟΥ ΑΛΛΑΖΕΙ» ΛΕΣΒΟΣ 2-4 ΙΟΥΝΙΟΥ 2021*, ISBN: 978-618-86408-0-1
- (G2) Ευριπίδης Χατζηπαρασκευάς, Μάριος Μπάτσαρης & Δημήτρης Καβρουδάκης (2021), **Χρήση μεθόδων χωρικής βελτιστοποίησης για κατανομή μαθητών σε σχολικές μονάδες**, *Η ΓΕΩΓΡΑΦΙΑ ΣΕ ΕΝΑΝ ΚΟΣΜΟ ΠΟΥ ΑΛΛΑΖΕΙ» ΛΕΣΒΟΣ 2-4 ΙΟΥΝΙΟΥ 2021*, ISBN: 978-618-86408-0-1 DOI: https://doi.org/10.26215/heal.cd9y-gt59
- (G1) Kavroudakis D. (2023), **Towards population spatial downscalling using open geographical data: the case of OpenStreetMap**, *Mytilini Lesvos island, 19-22 September 2023*, https://geography.aegean.gr/files/uploads/jdim/20230110090149.gr.pdf

09) Other Conference Papers

- (H8) Sini M., Topouzelis K., Koukourouvli N., Zotou M., Katsanevakis S., Andreadis O., Dailianis T., Damalas D., Dendrinos P., Frantzis A., Gerakaris V., Gerovasileiou V., Giakoumi S., Hasiotis T., Issaris Y., Karachle P., Kavadas S., Kavroudakis D., Koutsogiannopoulos D., Koutsoubas D., Maina I., Mamoutos I., Manoutsoglou E., Markantonatou V., Mazaris A., Panayotidis P.,, Papakonstantinou A., Salomidi M., Samara E., Vassilopoulou V., Velegrakis A., Zervakis V. (2016), **Mapping ecological features for the conservation of marine biodiversity in the Aegean Sea: the MARISCA project**, *51st European Marine Biology Symposium, 26-30 September 2016, Rhodes, Greece,*
- (H7) Longley,P., Kavroudakis, D., Mateos, P., Milton, R., Batty, M. (2009), **Geovisualisation of the 2011 UK Census: Bringing the decennial Census to the Google generation,**, *Association of American Geographers (AAG), 2009-Annual meeting, session: "Neo-geography", 22-27 March 2009, Las Vegas, USA*
- (H6) Kavroudakis, D., Ballas, D., Birkin, M. (2007), **Spatial microsimulation: Enriching the Census of Population,**, *15th European Colloquium of Theoretical and Quantitative Geography, 7-11 September 2007 in Montreux Switzerland*
- (H5) Kavroudakis, D., Ballas, D., Birkin, M. (2006), **Building an object-oriented spatial microsimulation model for public policy analysis,**, *46th congress of the European Regional Science Association, Volos, Greece(theme: Geographical Information Systems and Spatial Analysis), 30 August-3 September 2006*
- (H4) Kavroudakis, D., Ballas, D. (2006), **Microsimulation: Simulating Societies, Department of Work and Pensions**, *18 May 2006, Sheffield, UK*
- (H3) Kavroudakis, D. (2006), **Object Oriented Dynamic Spatial Microsimulation for Public Policy Analysis**, *Mid-Term Conference and AGM of the Royal Geographic Society with IBS, Newcastle, United Kingdom(theme: Geographical Information Systems), March 2006*
- (H2) Aikaterini Vgena, Angeliki Kitsiou, Dimitris Kavroudakis, Christos Kalloniatis (2018), **THE ROLE OF SOCIAL SOFTWARE ENGINEERING IN THE DESIGN OF PRIVACY-AWARE INFORMATION SYSTEMS**, *1st International CICMS Conference Proceedings, 4-5 May, 2018, Kuşadası, Turkey*
- (H1) Παπακωνσταντίμου Α., Μουστάκας Α., Δουκαρη Μ., Κοσμά Ι., Μπατσαρης Μ., Μουτζούρης Ι., Αγγελης Σ., Καβρουδάκης Δ., Τοπουζέλης Κ. (2021), **Σύστημα επιτήρησης θαλασσίων περιοχών με τη χρήση Συστημάτων μη Επανδρωμένων Αεροσκαφών ΣμηΕΑ ή Unmanned Aircraft Systems (UAS) για την αποφυγή και πρόληψη της πειρατείας σε εμπορικά πλοία**, *Συνέδριο ΗΜΕΡΕΣ ΚΑΙΝΟΤΟΜΙΑΣ & ΕΡΕΥΝΑΣ - ΔΗΜΗΤΡΗΣ ΕΔΟΥΑΡΔΟΣ ΓΑΡΔΙΚΗΣ, Πανεπιστήμιο Αιγαίου, ΕΛΚΕ*

10) Research Projects

- (I21) 2023:2024, Harmonization of Marine Biodiversity Monitoring
- (I20) 2023:2024, Design of a cultural masterplan, cultural development policy and cultural identity (brand) for selected regions of the country
- (I19) 2022:2024, Geoinformation system to support precision aquaculture – AQUASAFE
- (I18) 2022:2023, OLIVE: A representation of the timeless olive oil production techniques in Lesvos, using Virtual Reality and Augmented Reality technologies
- (I17) 2022:2023, THAL-HOR2 - CROSS-BORDER COOPERATION FOR THE IMPLEMENTATION OF MARITIME SPATIAL PLANNING

- (I16) 2021:2023, ARGO Hellenic USV-Prototype Greek Unmanned boat USV
- (I15) 2021:2022, AGRICA II: Network of Excellence in Agri-Food Research and Innovation of the North Aegean
- (I14) 2021:2023, Digital Transformation of the North Aegean into Culture and Tourism
- (I13) 2021:2023, Aegean - North Aegean Knowledge, Innovation & Entrepreneurship Communities [e-Aegean Communities]
- (I12) 2020:2022, SDEM: Smart Devices of Environmental Monitoring for Public Buildings: Hardware Devices for Internet of Things for Public Buildings
- (I11) 2020:2021, MARRE Environmental monitoring system of the Greek seas using satellite remote sensing data and in-situ measurements
- (I10) 2020:2021, ARSx2 Marine area surveillence system, using Unmanned Aircraft Systems (UAS) to avoid and prevent merchant chips from piracy
- (I9) 2020:2021, Business Plan of the Municipality of Skiathos with Sustainable Development Indicators SDGs
- (I8) 2019:2022, ENIRISST: Intelligent Research Infrastructure for Shipping, Supply Chain, Transport and Logistics
- (I7) 2019:2020, ΣΥΝΕΡΓΑΣΙΕΣ ΠΡΟΓΡΑΜΜΑΤΩΝ ΣΥΜΒΟΥΛΕΥΤΙΚΗΣ ΚΑΙ ΕΠΑΓΓΕΛΜΑΤΙΚΗΣ ΕΝΔΥΝΑΜΩΣΗΣ ΜΕ ΙΔΙΩΤΙΚΟΥΣ ΚΑΙ ΔΗΜΟΣΙΟΥΣ ΦΟΡΕΙΣ
- (I6) 2018:2019, MARE: MARine monitoring system of the Hellenic Seas using REmote sensing
- (I5) 2017:2021, Employing Land Stewardship to transform terraced landscapes into green infrastructures to better adapt to climate change
- (I4) 2016:2017, Geographical Analysis of roads for the islands in the Northern Aegean Regional Authority, Northern Aegean Regional Authority
- (I3) 2015:2016, MARISCA: Marine Spatial Planning in the Aegean Sea for the protection and conservation of biodiversity, European Economic Area (EEA) Financial Mechanism, 2009-2014
- (I2) 2014:2015, Landscape Character Assesment
- (I1) 2012:2015, Geostatistics for environmental management of natural resources

11) Lifelong Learning

- (J3) Open Source Software in Transportation and Shipping, Topics: Open Source Software, Transportation, Intermodal Transportation, Shipping, Inovation, University of the Aegean, UAegean Open Source Center of Excellence (OSS-CoE) ECTS:1 (2017)
- (J2) Spatial Autocorelation training, University of Manchester, Department of Statistics (2006)
- (J1) British Household Panel Survey (BHPS) data management training course, University of Exeter, UK (2007)

12) Teaching Experience

- (K14) 2020:σήμερα, **Γεωγραφική Ανάλυση**, *Τμήμα Γεωγραφίας*, Πανεπιστήμιο Αιγαίου, προπτυχιακό
- (K13) 2019:2020, **Παγκόσμια γεω-οικονομία και άνιση ανάπτυξη**, *Τμήμα Γεωγραφίας*, Πανεπιστήμιο Αιγαίου, Μεταπτυχιακό: Π.Μ.Σ. 'Ανθρωπογεωγραφία, Ανάπτυξη και Σχεδιασμός του Χώρου'
- (K12) 2019:2020, **Ανθρωπογεωγραφία του αναπτυσσόμενου κόσμου**, *Τμήμα Γεωγραφίας*, Πανεπιστήμιο Αιγαίου, Μεταπτυχιακό: Π.Μ.Σ. 'Ανθρωπογεωγραφία, Ανάπτυξη και

Σχεδιασμός του Χώρου'
- (K11) 2019:2020, **Γεωστατιστική**, *Mediterranean Agronomic Institute of Chania (CIHEAM IAM)*, Mediterranean Agronomic Institute of Chania (CIHEAM IAM), Μεταπτυχιακό: Link
- (K10) 2018:σήμερα, **Γεωστατιστική Ανάλυση Κινδύνου και Ακραίων Γεγονότων**, *Τμήμα Γεωγραφίας*, Πανεπιστήμιο Αιγαίου, Μεταπτυχιακό: Δι-Ιδρυματικό Πρόγραμμα Μεταπτυχιακών Σπουδών "Φυσικοί Κίνδυνοι και Αντιμετώπιση Καταστροφών"
- (K9) 2016:σήμερα, **Γεωγραφική Ανάλυση Θέσης**, *Τμήμα Γεωγραφίας*, Πανεπιστήμιο Αιγαίου, Μεταπτυχιακό: Γεωγραφία και Εφαρμοσμένη Γεωπληροφορική
- (K8) 2016:σήμερα, **Εισαγωγή στην Εφαρμοσμένη Γεωπληροφορική (συνδιδασκαλία)**, *Τμήμα Γεωγραφίας*, Πανεπιστήμιο Αιγαίου, Μεταπτυχιακό: Γεωγραφία και Εφαρμοσμένη Γεωπληροφορική
- (K7) 2016:2017, **Εφαρμογές στα Συστήματα Γεωγραφικών Πληροφοριών**, *Τμήμα Γεωγραφίας*, Πανεπιστήμιο Αιγαίου, προπτυχιακό
- (K6) 2015:σήμερα, **Χωρική Ανάλυση**, *Τμήμα Γεωγραφίας*, Πανεπιστήμιο Αιγαίου, Μεταπτυχιακό: Γεωγραφία και Εφαρμοσμένη Γεωπληροφορική
- (K5) 2015:σήμερα, **Ειδικά Θέματα Γεωγραφικής Ανάλυσης**, *Τμήμα Γεωγραφίας*, Πανεπιστήμιο Αιγαίου, προπτυχιακό
- (K4) 2015:2020, **Χωρική Στατιστική**, *Τμήμα Γεωγραφίας*, Πανεπιστήμιο Αιγαίου, προπτυχιακό
- (K3) 2015:2020, **Πολυμεταβλητή Ανάλυση**, *Τμήμα Γεωγραφίας*, Πανεπιστήμιο Αιγαίου, προπτυχιακό
- (K2) 2015:2016, **Εισαγωγή στα Συστήματα Γεωγραφικών Πληροφοριών**, *Τμήμα Γεωγραφίας*, Πανεπιστήμιο Αιγαίου, προπτυχιακό
- (K1) 2013:σήμερα, **Γεωγραφικά Συστήματα Πληροφοριών**, *Τμήμα Διοίκησης Επιχειρήσεων*, Πανεπιστήμιο Αιγαίου, Μεταπτυχιακό: Διατμηματικό Πρόγραμμα Μεταπτυχιακών Σπουδών "Σχεδιασμός, Διοίκηση και Πολιτική του Τουρισμού"

13) Invited Lectures

- (L31) Application of Agent Based Modeling in Geography, (4/6/2015-), **Postgraduate lecture**, *University of the Aegean, Department of Geography at Postgraduate Course "Geography and Applied Geoinformatics"*
- (L30) Supervised Multivariate Classification (1/4/2015-), **Undergraduate lecture**, *University of the Aegean, Department of Geography as part of the module: "Multivariate Statistical Analysis"*
- (L29) Geographical Analysis of closing business during economic recession: Location, Adjacency, Accessibility (2014-12-03), **Scientific meeting "Spatial analysis applications in geography"**, *University of the Aegean, Department of Geography*
- (L28) Spatial Point Pattern Analysis (7/10/2014-), **Postgraduate lecture**, *University of the Aegean, Department of Geography at Postgraduate Course "Geography and Applied Geoinformatics" at module Spatial Analysis*
- (L27) Spatial Analysis (7/10/2014-), **Undergraduate lecture**, *University of the Aegean, Department of Geography*
- (L26) Introduction to the statistical programming language R, Undergraduate lecture at University of the Aegean, Department of Geography as part of the module: Introduction to programming (18/11/2013 -), **Undergraduate lecture**, *University of the Aegean, Department of Geography*
- (L25) Spatial Agent Based Modeling for the examination of Urban Sprawl, Postgraduate lecture at University of the Aegean, Department of Geography at Postgraduate Course "Geography

and Applied Geoinformatics" (27/05/2013 -), **Postgraduate lecture**, *University of the Aegean, Department of Geography*

- (L24) Open source software and Open Hardware, Undergraduate lecture (29/04/2013 -), **Undergraduate lecture**, *University of the Aegean, Department of Cultural Technologies and Communication*
- (L23) Theory and applications of web-based cartography (Communication protocols, Web Servers, Map services), Postgraduate lecture at University of the Aegean, Department of Geography at Postgraduate Course: "Geography and Applied Geoinformatics" (11/01/2013 -), **Postgraduate lecture**, *University of the Aegean, Department of Geography*
- (L22) Introduction to web based GIS technologies (Internet backbone, protocols, Servers, networking), Undergraduate lecture at University of the Aegean, Department of Geography (11/01/2013 -), **Undergraduate lecture**, *University of the Aegean, Department of Geography*
- (L21) Spatial Statistics: Spatial microsimulation methodologies (Heuristic Algorithms, Population Simulations, Grid Computing), Undergraduate lecture at University of the Aegean, Department of Geography (19/12/2012 -), **Undergraduate lecture**, *University of the Aegean, Department of Geography*
- (L20) Spatial Statistics: Methodologies of spatial interpolation, Undergraduate lecture at University of the Aegean, Department of Geography (10/12/2012 -), **Undergraduate lecture**, *University of the Aegean, Department of Geography*
- (L19) Spatial Statistics: Spatial Autocorelation, Undergraduate lecture at University of the Aegean, Department of Geography (26/11/2012 -), **Undergraduate lecture**, *University of the Aegean, Department of Geography*
- (L18) Spatial Statistics: Nearest Neighbour Analysis, Undergraduate lecture at University of the Aegean, Department of Geography (14/11/2012 -), **Undergraduate lecture**, *University of the Aegean, Department of Geography*
- (L17) Free/open source Technologies in public sector, Undergraduate lecture at University of the Aegean, Department of Cultural Technology and Communication (11/05/2012 -), **Undergraduate lecture**, *University of the Aegean, Department of Geography*
- (L16) Agent Based Modelling and application in Geography, Postgraduate lecture at University of the Aegean, Department of Geography at Postgraduate Course "Geography and Applied Geoinformatics" (02/04/2012 -), **Postgraduate lecture**, *University of the Aegean, Department of Geography*
- (L15) Geographical analysis with spatial microsimulation methods, Postgraduate lecture at University of the Aegean, Department of Geography at Postgraduate Course "Geography and Applied Geoinformatics" (30/03/2012 -), **Postgraduate lecture**, *University of the Aegean, Department of Geography*
- (L14) Geographical analysis with GDAL Python library, Postgraduate lecture at Harocopio University - Department of Geography (09/06/2011 -), **Postgraduate lecture**, *Harocopio University, Department of Geography*
- (L13) Spatial Agent Based Models and applications, Postgraduate lecture at University of the Aegean, Department of Geography at Postgraduate Course "Geography and Applied Geoinformatics" (15/05/2011 -), **Postgraduate lecture**, *University of the Aegean, Department of Geography*
- (L12) Introduction to Artificial Intelligence and its application in Geography, Postgraduate lecture at University of the Aegean, Department of Geography at Postgraduate Course "Geography and Applied Geoinformatics" (09/05/2011 -), **Postgraduate lecture**, *University of the Aegean, Department of Geography*
- (L11) Web GIS technologies, Postgraduate lecture at University of the Aegean, Department of Geography at Postgraduate Course "Geography and Applied Geoinformatics" (17/01/2011 -),

Postgraduate lecture, *University of the Aegean, Department of Geography*

- (L10) Software technologies and Operating Systems, Undergraduate lecture at University of the Aegean, Department of Geography (11/11/2010 -), **Undergraduate lecture**, *University of the Aegean, Department of Geography*
- (L9) Special issues in GIS: Theory and application of spatial microsimualation, Postgraduate lecture at University of the Aegean, Department of Geography at Postgraduate Course "Geography and Applied Geoinformatics" (2010), **Postgraduate lecture**, *University of the Aegean, Department of Geography*
- (L8) Spatial Analysis: Methodologies of spatial microsimulation (2009), **Postgraduate lecture**, *Harokopio University - Department of Geography*
- (L7) 09/01/2009 - Use of Spatial Microsimulation for researching social and spatial inequalities, S4 European Modelling Tour (2009), **Research Seminar**, *University College London, Center for Advanced Spatial Analysis*
- (L6) 28/01/2009 - Geovisualisation of the 2011 UK Census: Bringing the decennial Census to the Google generation (2009), **Research Seminar**, *University College London, Center for Advanced Spatial Analysis*
- (L5) 19/11/2008 - New ways of visualizing census data on the Web 2.0 (2008), **Research Seminar**, *City College of London*
- (L4) 09/10/2008 - Online Visualization of Census Datasets, ESRC Data Feed Network (2008), **Research Seminar**, *University of Manchester*
- (L3) Intensive Programme on Information and Communications Security – IPICS2018 - POLYTECHNIC SCHOOL - Department of Information and Communication Systems Engineering SCHOOL OF SOCIAL SCIENCES - Department of Cultural Technology and Communication, 2 Jul 2018 to 13 Jul 2018 Lesvos link (2018), **Summer School**, *University of the Aegean*
- (L2) Landscape Character Assessment (LCA), Summer School (2015), **Summer School**, *University of the Aegean, Department of Geography*
- (L1) Agent Based Modelling with Spatial Analysis (10/11/16), **Postgraduate lecture**, *GeoHealth Lab, University of Canterbury, New Zealand*

14) Thesis Supervision

- From 2015 to 2024:
  – Supervision of **49** postgraduate and undergraduate thesis
  – Member of supervision commitee at **142** postgraduate and undergraduate thesis.

15) Membership in Committees

- (N9) Υπευθυνος Τμήματος Γεωγραφίας για τη πρόταση στο πλαίσιο Πρόκλησης της Περιφέρειας Βορείου Αιγαίου (εξοπλισμός) (πρόεδρος), 2017:2018
- (N8) Επιτροπή Πληροφορικής, Τμήμα Γεωγραφίας, Πανεπιστημιο Αιγαίου (πρόεδρος), 2015:2020
- (N7) Επιτροπή Διδακτορικών/Μεταδιδακτορικών σπουδών, Τμήμα Γεωγραφίας, Πανεπιστημιο Αιγαίου (μέλος), 2017:2019
- (N6) Συντονιστική Επιτροπή ΠΜΣ ΓΕΩΓΡΑΦΙΑ ΚΑΙ ΕΦΑΡΜΟΣΜΕΝΗ ΓΕΩΠΛΗΡΟΦΟΡΙΚΗ, Τμήμα Γεωγραφίας, Πανεπιστημιο Αιγαίου (μέλος), 2017:2018

- (N5) Συντονιστική Επιτροπή ΠΜΣ ΑΝΘΡΩΠΟΓΕΩΓΡΑΦΙΑ, ΑΝΑΠΤΥΞΗ ΚΑΙ ΣΧΔΙΑΣΜΟΣ ΤΟΥ ΧΩΡΟΥ, Τμήμα Γεωγραφίας, Πανεπιστημιο Αιγαίου (μέλος), 2018:σήμερα
- (N4) Γνωμοδοτικό όργανο (Επιτροπή Παραλαβής Προμηθειών/Υπηρεσιών) απευθείας αναθέσεων του έργου Erasmus+ (Δράσεις ΚΑ103-Κλασσική & ΚΑ107-Διεθνής), Πανεπιστήμιο Αιγαίου (μέλος), 2018:σήμερα
- (N3) Επιτροπή Αποφοίτων, Τμήμα Γεωγραφίας, Πανεπιστήμιο Αιγαίου (πρόεδρος), 2020:σήμερα
- (N2) Αναπληρωτής Εκπρόσωπος της Σχολής Κοινωνικών Επιστημών, στο ΚΕΔΙΒΜ του Πανεπιστημίου Αιγαίου (Αναπληρωτής Εκπρόσωπος), 2020:2023
- (N1) Τακτικό μέλος του Κέντρου Επιμόρφωσης και Δια Βίου Μάθησης (Κ.Ε.ΔΙ.ΒΙ.Μ.) του Πανεπιστημίου Αιγαίου (Τακτικό Μέλος), 2023:today

16) Academic Reviewer

- (O22) (2023:today) Editorial Board Member for the: European Journal of Georgaphy – EJG www.eurogeojournal.eu)
- (O21) (2020:today) Reviewer, Forensic Science International: Reports (ISSN: 2665-9107)
- (O20) (2020:today) Ελληνικό Ίδρυμα Έρευνας & Καινοτομίας (ΕΛΙΔΕΚ): Μέλος Θεματικής Επιτροπής Αξιολογητών (Α.Π. 28356/25.09.2020), για αξιολόγηση Προτάσεων που υποβλήθηκαν στο πλαίσιο 4ης Προκήρυξης Δράσης "Επιστήμη και Κοινωνία" Εμβληματική Δράση Παρεμβάσεις προς αντιμετώπιση των οικονομικών και κοινωνικών επιπτώσεων της πανδημίας COVID-19 στον Τομέα Έρευνας "Οικονομία".
- (O19) (2020:today) Ελληνικό Ίδρυμα Έρευνας & Καινοτομίας (ΕΛΙΔΕΚ): Εμπειρογνώμονας (Α.Π. 28354/25.09.2020) στη διαδικασία αξιολόγησης Προτάσεων που υποβλήθηκαν στο πλαίσιο της "2ης Προκήρυξης ερευνητικών έργων ΕΛ.ΙΔ.Ε.Κ. για την ενίσχυση Μελών ΔΕΠ και Ερευνητών/τριών" στην Επιστημονική Περιοχή "Επιστήμες Μηχανικού και Τεχνολογίας"
- (O18) (2018:2019) Scientific expert and evaluator for "ΕΡΕΥΝΩ- ΔΗΜΙΟΥΡΓΩ- ΚΑΙΝΟΤΟΜΩ", Ministry of Education, Greece: Ειδική Υπηρεσία Διαχείρισης και Εφαρμογής δράσεων στους τομείς Έρευνας, Τεχνολογικής Ανάπτυξης και Καινοτομίας (ΕΥΔΕ-ΕΤΑΚ)
- (O17) (2017:today) Ίδρυμα Προώθησης Έρευνας (ΙΠΕ) Κύπρου, Μητρώο αξιολογητών των προτάσεων που υποβάλλονται στο ΙΠΕ, για τα προγράμματα RESTART 2016-2020 στον τομέα της Έρευνας, Τεχνολογική Ανάπτυξης και Καινοτομίας,
- (O16) (2017:today) Urban Science (ISSN 2413-8851)
- (O15) (2017:today) Remote Sensing (ISSN 2072-4292)
- (O14) (2017:today) Journal Board Member for: ISPRS International Journal of Geo-Information (ISSN 2220-9964)
- (O13) (2017:today) Reviewer, Infrastructures (ISSN 2412-3811)
- (O12) (2017:today) Reviewer, IJERPH: International Journal of Environmental Research and Public Health (IJERPH ISSN 1660-4601)
- (O11) (2017:today) Reviewer, Entropy (ISSN 1099-4300)
- (O10) (2016:today) Sustainability (ISSN 2071-1050)
- (O9) (2015:today) Reviewer, Applied Spatial Analysis and Policy, Geography, Spatial Science, Regional Analysis
- (O8) (2015:today) Reviewer, Eastern European Business and Economics Journal, Economics and business
- (O7) (2015:today) ISPRS International Journal of Geo-Information (ISSN 2220-9964)
- (O6) (2014:today) (2014-today) Eastern European Business and Economics Journal

Geoinformation sciences,
- (O5) (2012:today) Reviewer, International Journal of Research in Computer Science (IJORCS), www.ijorcs.org - doi - ISSN:22498265 - ISSN:22498257
- (O4) (2012:today) Reviewer, International Journal of Innovation and Applied Studies, ISSN: 2028-9324 - ISSR
- (O3) (2012:today) Scientific expert and evaluator of the General Secretariat for Research and Technology (ΓΓΕΤ) of the Ministry f Education for the evaluation of the progress of scientific projects under the funding action: "Strengthening the employment of research personnel in businesses", Specialization sectors: 1) Geospatial sciences 2) Real Estate 3) Cadastre 4) Web applications, Ministry of Education
- (O2) (2012:2013) Scientific evaluator General Secretariat for Research and Technology of the Ministry of Education for the project: evaluation of submitted proposals of the advertised acts program "Education and Lifelong Learning" under the title: "Knowledge update of the graduates from AEI-TEI", Specialization sections: 1)Geospatial sciences 2)IT and communications 3)Business Administration and services, Ministry of Education
- (O1) (2012:2013) Scientific Evaluator for the ΕΔΥΕ-ΕΤΑΚ project of the General Secretariat for Research and Technology του Υπουργείο Παιδείας & Θρησκευμάτων for the actions of public funding ΕΤΑΚ, Sector: Evaluation of scientific section, Ministry of Education

17) Awards

- (P4) PhD student subsidized place at 1st international Conference of International Microsimulation Association hosted by: European Centre for Social Welfare Policy and Research, 19-22 August 2007 in Vienna Austria - International Microsimulation Association (2007)
- (P3) Research Associate bursary, for the 15th European Colloquium of Theoretical and Quantitative Geography, 7-11 September 2007 in Montreux Switzerland - Royal Geographic Society with IBG, Quantitative methods Research Group (2007)
- (P2) PhD Full academic studentship (2005-2008) - White Rose University Consortium (2005-2008)
- (P1) Top scored paper award within the ESMA Section. ESSKA Congress 2020. European Society for Sports Traumatology, Knee Surgery and Arthroscopy. (2019)

28) Visiting Professor

- (AA2) (2019) Visiting Professor, University of Novisad, Serbia
- (AA1) (2018) Visiting Professor, University of Kioto, Japan

18) Scientific Interests

- Geographical analysis
- Location theory analysis, accessibility, coverage, location - allocation
- Spatial analysis
- Spatial interaction models
- Spatial microsimulation
- Population modelling

- GIS programming
- Economic geography and spatial inequalities
- Regional analysis

19) Scientific boards

- Member of The Centre for Health and Well-being in Public Policy CWiPP
- Member of The Society for Location Analysis SLA
- Member of ESRC - NCRM Small area estimation methods
- FuturICT Flagship proposal member for the Hellenic node
- UK 2011 Census of Population Data Feed Research Network (ESRC Scientific Board)
- Fellow of the Royal Geographic Society 2006-to date Royal Geographic Society
- Journal Board Member for: ISPRS International Journal of Geo-Information (Link)
- Member of Regional Committee of Research: North Aegean Regional Authority, Greece
- Secretry of Greek Geographical Society

20) Learned Societies and Professional Bodies

- Member of the European Regional Science Association - (Greek Section)
- Member of the Greek Organization of GIS (HellasGI)
- FuturICT Hellas
- EUROGEO
- Hellenic Artificial Intelligence Society
- European Regional Science Association
- European Social Simulation Association
- European Geography Association
- Hellenic Linux User Group
- The European Council for Modelling and Simulation

21) Media coverage

- Oct 2008 - ERT World: Web GIS of population data, (Link)
- Nov. 2019 - TEDx Lesvos: Smart Cities, (Link)
- Βασικές Εντολές R (2 μέρος), (Link)
- Βασικές Εντολές R (1 μέρος), (Link)
- Εισαγωγή στο Rstudio, (Link)
- Location Analysis: Huff's Model, (Link)
- Modifiable Area Unit Problem, (Link)
- SMART CITIES | Dimitris Kavroudakis | TEDxLesvos, (Link)
- Δημήτρης Καβρουδάκης, Επίκουρος Καθηγητής Πανεπιστημίου Αιγαίου / Χωρική Ανάλυση - Ενωση Γεωγράφων Ελλάδας, (Link)
- Έξυπνες συσκευές για δημόσια κτίρια - Dimitris Kavroudakis - FOSSCOMM2021, (Link)

22) Open public presentations

23) Scientific Software Development

- (V13) sms: An advanced R library about spatial microsimulation, providing methods for small area estimation and generation of microdata. It simplifies the development of spatial microsimulation models and provide necessary plot functions for the understanding of the process and the results.
- (V12) Point-Logger: Android application for on-the-fly geo-coding business data while data collecting in the field. It is used for geo-coding the geographica location of closed business in Athens city center during the economic crisis period.
- (V11) Conceptual Network mapping: Network Conceptual mapping on "Plants and animals taxonomy" Used as introduction to the relevant primary school course.
- (V10) Polygon Width Calculator: QGIS python plugin which uses loaded shapefile to calculate polygon width. Useful for survey calculations and topological calculation of GIS datasets
- (V9) DivaTools: Toolset for sea level rise simulation associated with DIva Simulation software. Useful for simulation and geographic data transformation and Input/Output (IO)
- (V8) Open-Data-Search: Ένα παραμετροποιημένο πρόσθετο αναζήτησης το οποίο ενσωματώνεται στο Firefox με σκοπό να παρέχει την δυνατότητα στους χρήστες να αναζητούν δεδομένα από το Μητρώο Ελληνικών Ανοικτών Δεδομένων
- (V7) Centroids Maker: Transform polygon datasets to points by using the topological centroid of polygons. Useful for point pattern analysis derived from polygon data.
- (V6) Make Centroids: Creates polygon centroids from shapefiles. It is a QGIS plugin that is added easily to the software and receives a polygon shapefile and produces a point shapefile.
- (V5) PHP - QGIS plugin Creator: Creates a basic skeleton for a QGIS python Plugin. Enter the details and press RUN. Then you can download a set of 9 files which have been generated with your details and you are ready to go.
- (V4) PyTextStat: Statistical analysis of plain-text and ODF files.
- (V3) OpenArchives Search Plugin: Search plugin for Firefox and Internet Explorer for the fast search on openarchieves.gr network.
- (V2) MyAtc: Atc position assistance. Download and explain METAR for multiple positions. get information about the weather in the area and watch satellite images. Useful tool for IVAO network atc services. MyAtc web-page
- (V1) VOR-NDB: A software to be used as reference for aviation purpose, with all radio navigation aids (VOR and NDB) along with their frequencies and names. Data for Greece (LGxx) or global use. Use the search fields to find any nav-aid by filtering name, freq. or area.

24) Foreign Languages

- Greek
- English
- French

25) Voluntary Work

- Open source programming in the following projects: QGIS, R, Ubuntu Linux, Zotero, Zim Wiki
- Founding member of Mytilini Linux User Group

26) Computing Skills

- (Y12) **Programming Languages**: Java, C, C++, Python, Perl, R, Logo, Basic, Visual Basic, Pascal, Fortran 77, Cobol, PMML, C#
- (Y11) **Web / Application Servers**: Apache, Tomcat, JBOSS, Node.js
- (Y10) **Embedded Computing**: Raspberry Pi, BeagleBoard, Arduino, Android
- (Y9) **Operating Systems**: Linux, Oracle Solaris, Windows, Macintosh OS X
- (Y8) **Databases**: PostgreSQL, InfluxDB, DB2, MySQL, Informix, MS-Access, SQLite, Spatialite, SQL
- (Y7) **Geographical Information Systems**: GRASS, QGIS, SAGA, ArcGIS, MapInfo, IDRISI, gvSIG, uDig
- (Y6) **Location Based Services**: GoogleMaps, OpenStreetMap, OpenLayers, Mapnik, MapFish
- (Y5) **Software Engineering**: UML, diff, debugging
- (Y4) **Version Control Systems**: Subversion, Git
- (Y3) **Structured Datasets**: XML, JSON,YAML, OEM
- (Y2) **Networking**: TCP/IP, SFTP, FTP, Telnet, SSH, HTTP, HTTPS, POP, NTP, PPP
- (Y1) **Web**: PHP, HTML, Javascript

26) Overall work items

	Category	Quantity
2)	Peer Reviewed Journal Articles	43
3)	Books	3
4)	Peer Reviewed Book Chapters	14
5)	Other Publications	21
6)	Peer Reviewed Conference Papers	61
7)	Other Conference Papers	8
8)	Research Projects	21
9)	Lifelong Learning	3
10)	Teaching Experience	14
11)	Invited Lectures	31
12)	Thesis Supervision	191
13)	Membership in Committees	9
14)	Academic Reviewer	22
15)	Awards	4
16)	Visiting Professor	2
17)	Scientific Interests	9
18)	Scientific boards	9
19)	Learned Societies and Professional Bodies	10
20)	Media coverage	10
21)	Open public presentations	4
22)	Scientific Software Development	13
23)	Foreign Languages	3
24)	Voluntary Work	2
25)	Computing Skills	12