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01) Εισαγωγή

Ο Δρ. Δημήτρης Καβρουδάκης είναι Αναπληρωτής Καθηγητής Γεωγραφικής Ανάλυσης στο Τμήμα Γεωγραφίας του Πανεπιστημίου Αιγαίου. Σπούδασε Computer Info Systems στο [American College of Greece \(DEERE\)](#), και Γεωγραφία στο [Πανεπιστήμιο Αιγαίου](#). Στην συνέχεια ύστερα από την απόκτηση του μεταπτυχιακού τίτλου σπουδών: MSc in GIS από το [University of Leeds, UK](#) απέκτησε το διδακτορικό τίτλο σπουδών του: PhD in Geography από το [University of Sheffield, UK](#). Τέλος, ύστερα από την ολοκλήρωση του μεταδιδακτορικού τίτλου στο [UCL \(CASA\) UK](#), εργάστηκε ως ερευνητής στο Πανεπιστήμιο Αιγαίου και στο [University of Sheffield, UK](#). Συμμετείχε σε ερευνητική δραστηριότητα αιχμής σχετικά με το αντικείμενο της *Γεωγραφικής Ανάλυσης* η οποία οδήγησε σε έναν αριθμό σχετικών δημοσιεύσεων και ανακοινώσεων σε συνέδρια. Τα επιστημονικά του ενδιαφέροντα περιλαμβάνουν: ανάλυση θέσης, χωρική ανάλυση, ανάλυση δικτύων, ΓΣΠ, ανοιχτό λογισμικό. Έχει συμμετάσχει σε ερευνητικά προγράμματα σχετικά με ανάλυση μεταφορικών δικτύων, Web-GIS, ανισότητες πληθυσμών, χωρική ανάλυση οικονομικών στοιχείων καθώς και ανάπτυξη ΓΣΠ. Χρησιμοποιεί νέες μεθοδολογικές προσεγγίσεις γεωγραφικής ανάλυσης όπως Artificial Intelligence και Agent Based Modelling καθώς επίσης και νέες τεχνολογίες στην ποσοτική ανάλυση χωρικών δεδομένων όπως Grid Computing και large scale distributed modelling. Τέλος, ύστερα από μακρά εμπειρία προγραμματισμού, αναπτύσσει λογισμικό και υλισμικό, συμμετέχει στην ανάπτυξη του Λειτουργικού Συστήματος Linux και χρησιμοποιεί ανοιχτό υλισμικό για έξυπνες συσκευές όπως το Raspberry-PI, ESP32 και κινητές συσκευές με Android OS.

02) Επαγγελματική Εμπειρία

- (A12) 2023 Αναπληρωτής Καθηγητής με αντικείμενο “Γεωγραφική Ανάλυση”, τομέας Γεωπληροφορικής, (μόνιμος) (ΦΕΚ Γ 226/2023), [Πανεπιστήμιο Αιγαίου](#), [Τμήμα Γεωγραφίας](#)
- (A11) 2019 Επίκουρος Καθηγητής με αντικείμενο “Γεωγραφική Ανάλυση”, τομέας Γεωπληροφορικής, (μόνιμος) (ΦΕΚ Γ 562/2019), [Πανεπιστήμιο Αιγαίου](#), [Τμήμα Γεωγραφίας](#)
- (A10) 2015 Επίκουρος Καθηγητής με αντικείμενο “Γεωγραφική Ανάλυση”, τομέας Γεωπληροφορικής, (επί θητεία) (ΦΕΚ Γ 696/2015), [Πανεπιστήμιο Αιγαίου](#), [Τμήμα Γεωγραφίας](#)
- (A9) 2014 Μετα-διδακτορικός ερευνητής, Advanced Quantitative Landscape Analysis - Building the knowledge-base developing an LCA best-practice methodology (BPM) for the

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- (A8) 2013 **Μετα-διδακτορικός ερευνητής**, Advances in Geostatistics for Environmental Characterization and Natural Resources Management, *Πανεπιστήμιο Αιγαίου, Τμήμα Γεωγραφίας*
- (A7) 2011 **Μετα-διδακτορικός ερευνητής**, Development of cartographic material for the course of Geography for the primary school with cooperation with the Greek Ministry of Education, *Πανεπιστήμιο Αιγαίου, Τμήμα Γεωγραφίας*
- (A6) 2011 **Ερευνητής**, 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 **Μετα-διδακτορικός ερευνητής**, 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 **Μετα-διδακτορικός ερευνητής**, CIRCE: “Climate Change and Impact Research”: the Mediterranean Environment, 6th Framework Programme, Priority 1.1.6.3, Global Change and Ecosystem, *Πανεπιστήμιο Αιγαίου, Τμήμα Γεωγραφίας*
- (A3) 2008 **Μετα-διδακτορικός ερευνητής**, Web GIS Visualization of the 2011 UK Census of Population, *UCL, London - Department of Geography - Centre for Advanced Spatial Analysis: CASA*
- (A2) 2004 **Ακαδημαϊκή Πρακτική**, 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 **Αναλυτής GIS**, Development and management of Greek National Cadastre for the local authorities of Heraclion Crete, *WS ATKINS Hellas*

03) Εκπαίδευση

- 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)*

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 - (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 Effectiveness approaches 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]
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06) Κεφάλαια σε βιβλία (ύστερα από κρίση)

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- (E14) 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*
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- (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
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09) Άλλα Συνέδρια

- (H8) Sini M., Topouzelis K., Koukouroufli N., Zotou M., Katsanevakis S., Andreadis O., Dailianis T., Damalas D., Dendrinou 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., Αγγελής 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 ΕΛΟΥΑΡΔΟΣ ΓΑΡΔΙΚΗΣ, Πανεπιστήμιο Αιγαίου, ΕΛΚΕ*

10) Ερευνητικά Προγράμματα

- (I25) 2026:2028, The EU-funded CircHive project aims to measure and integrate the value of nature transparently into public and business decisions. In this context, CircHive will improve data availability and develop scientifically robust and standardised methods for bridging biodiversity footprinting (BF, or life cycle assessment) with natural capital accounting (NCA, or bookkeeping).
- (I24) 2025:2026, 81318 - 1.6.26. Παρακολούθηση συμμόρφωσης παραχωρήσεων στη παράκτια ζώνη με την χρήση τηλεπισκόπησης – Υπ. 2 Παρακολούθηση συμμόρφωσης παραχωρήσεων στη παράκτια ζώνη με την χρήση τηλεπισκόπησης – υλοποίηση με ίδια μέσα
- (I23) 2024:2024, 81088 - Εναρμόνιση παρακολούθησης της Θαλάσσιας Βιοποικιλότητας
- (I22) 2023:2024, Harmonization of Marine Biodiversity Monitoring
- (I21) 2023:2024, Design of a cultural masterplan, cultural development policy and cultural identity (brand) for selected regions of the country
- (I20) 2023:2023, 80122 - ΕΛΙΑ: Μια αναπαράσταση των διαχρονικών τεχνικών παραγωγής ελαιολάδου στη Λέσβο, με τη χρήση τεχνολογιών Virtual Reality και Επαυξημένης Πραγματικότητας (Augmented Reality)
- (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 surveillance system, using Unmanned Aircraft Systems (UAS) to avoid and prevent merchant ships 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) Μετεκπαίδευση

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

12) Διδακτική Δραστηριότητα

- (K15) 2023:σήμερα, **Comparative Island Research, Spatial and Location Analysis Methods and Applications**, *Τμήμα Γεωγραφίας*, Πανεπιστήμιο Αιγαίου, Μεταπτυχιακό: Master Course in Islands and Sustainability – ISLANDS
- (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:σήμερα, **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) Διαλέξεις σε Ακαδημαϊκά Ιδρύματα (ύστερα από πρόσκληση)

- (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 Autocorrelation, 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 microsimulation, 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) Επίβλεψη πτυχιακών εργασιών

- Απο το 2015 μέχρι το 2024:
 - Επίβλεψη 49 μεταπτυχιακών & πτυχιακών εργασιών
 - Μέλος 3μελούς επιτροπής σε 142 μεταπτυχιακές & πτυχιακές εργασίες.

15) Διοικητικό Έργο και Συμμετοχή σε Επιτροπές

- (N9) Υπευθυνος Τμήματος Γεωγραφίας για τη πρόταση στο πλαίσιο Πρόκλησης της Περιφέρειας Βορείου Αιγαίου (εξοπλισμός) (πρόεδρος), 2017:2018
- (N8) Επιτροπή Πληροφορικής, Τμήμα Γεωγραφίας, Πανεπιστήμιο Αιγαίου (πρόεδρος), 2015:2020
- (N7) Επιτροπή Διδακτορικών/Μεταδιδακτορικών σπουδών, Τμήμα Γεωγραφίας, Πανεπιστήμιο Αιγαίου (μέλος), 2017:2019
- (N6) Συντονιστική Επιτροπή ΠΜΣ ΓΕΩΓΡΑΦΙΑ ΚΑΙ ΕΦΑΡΜΟΣΜΕΝΗ ΓΕΩΠΛΗΡΟΦΟΡΙΚΗ, Τμήμα Γεωγραφίας, Πανεπιστήμιο Αιγαίου (μέλος), 2017:2018
- (N5) Συντονιστική Επιτροπή ΠΜΣ ΑΝΘΡΩΠΟΓΕΩΓΡΑΦΙΑ, ΑΝΑΠΤΥΞΗ ΚΑΙ ΣΧΔΙΑΣΜΟΣ ΤΟΥ ΧΩΡΟΥ, Τμήμα Γεωγραφίας, Πανεπιστήμιο 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) Επιστημονικός Αξιολογητής

- (O22) (2023:today) Editorial Board Member for the: European Journal of Geography – EJJ (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 of 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) Επιστημονικές Διακρίσεις

- (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) Επισκέπτης Καθηγητής

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

18) Ακαδημαϊκά Ενδιαφέροντα

- 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) Επιστημονικά Δίκτυα

- 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
- Secretary of Greek Geographical Society

20) Επιστημονικά Σωματεία

- 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) Προβολή επιστημονικού έργου από MME

- 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 - Ένωση Γεωγράφων Ελλάδας, ([Link](#))
- Έξυπνες συσκευές για δημόσια κτίρια - Dimitris Kavroudakis - FOSSCOMM2021, ([Link](#))

22) Δημόσιες Παρουσιάσεις

23) Ανάπτυξη Λογισμικού

- (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 openarchievs.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) Ξένες Γλώσσες

- Greek
- English
- French

25) Εθελοντική Εργασία

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

26) Γνώσεις Προγραμματισμού

- (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) Συγκεντρωτικός Πίνακας Έργου

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2)	Άρθρα σε περιοδικά (ύστερα από κρίση)	45
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9)	Μετεκπαίδευση	3
10)	Διδακτική Δραστηριότητα	15
11)	Διαλέξεις σε Ακαδημαϊκά Ιδρύματα (ύστερα από πρόσκληση)	31
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