

# Γιάννης Νικολέντζος

## ΕΠΙΚΟΙΝΩΝΙΑ

Πανεπιστήμιο Πελοποννήσου  
Τμήμα Πληροφορικής και Τηλεπικοινωνιών  
Οδός Ακαδημαϊκού Γ.Κ. Βλάχου  
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## ΕΡΕΥΝΗΤΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ

μηχανική μάθηση για γραφήματα, εξόρυξη γνώσης από γραφήματα, ανάλυση κοινωνικών δικτύων, αλγόριθμοι γραφημάτων, μηχανική μάθηση σε δομημένα δεδομένα, εξόρυξη γνώσης από κείμενα, επεξεργασία φυσικής γλώσσας

## ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

**Πανεπιστήμιο Πελοποννήσου, Ελλάδα** Ιαν. 2024 - σήμερα  
*Επίκουρος Καθηγητής*

**École Polytechnique, Γαλλία** Ιαν. 2022 - Δεκ. 2023  
*Μεταδιδακτορικός Ερευνητής*  
Συμμετοχή στο έργο AML-HELAS (ANR-19-CHIA-0020) που επικεντρώθηκε στην ανάπτυξη προηγμένων αλγορίθμων τεχνητής νοημοσύνης για διάφορες μορφές δεδομένων, όπως κειμένου, γραφημάτων και χρονοσειρών.

**Οικονομικό Πανεπιστήμιο Αθηνών, Ελλάδα** Ιαν. 2020 - Δεκ. 2021  
*Μεταδιδακτορικός Ερευνητής*  
Αναπτύχθηκαν αλγόριθμοι μηχανικής μάθησης για γραφήματα που μπορούν να εφαρμοστούν σε δεδομένα εικόνας και δεδομένα χρονοσειρών.

**École Polytechnique, Γαλλία** Ιαν. 2018 - Δεκ. 2019  
*Μεταδιδακτορικός Ερευνητής*  
Συμμετοχή στο έργο ESIGMA (ANR-17-CE23-0010) το οποίο χρησιμοποίησε τη θεωρία γραφημάτων ως κατευθυντήρια γραμμή για την παραγωγή αποτελεσματικών αλγορίθμων για γραφήματα.

**École Polytechnique, Γαλλία** Απρ. 2016 - Δεκ. 2017  
*Μηχανικός Έρευνας*  
Συμμετοχή στο έργο OpenPaaS::NG που ανέπτυξε εφαρμογές γραφείου (π.χ., επεξεργασία κειμένων) με δυνατότητα συλλογικής εργασίας.

**Ερευνητικό Κέντρο Αθηνά, Ελλάδα** Ιουν. 2014 - Μαρ. 2016  
*Βοηθός Έρευνας*  
Συμμετοχή στο έργο ΜΕΔΑ που επικεντρώθηκε στην αποτελεσματική διαχείριση των μεγάλων δεδομένων. Αναπτύχθηκε σύστημα παραγωγής περιλήψεων γεγονότων με βάση μηνύματα που δημοσιεύονται σε κοινωνικά δίκτυα

## ΕΚΠΑΙΔΕΥΣΗ

**Οικονομικό Πανεπιστήμιο Αθηνών, Ελλάδα** Ιούν. 2014 - Δεκ. 2017  
Διδακτορικό στην Επιστήμη των Υπολογιστών  
Τίτλος Διατριβής: “Μηχανική Μάθηση σε Γραφήματα: Αλγόριθμοι και Εφαρμογές”  
Επιβλέπων: Καθηγητής Μιχάλης Βαζιργιάννης

**University of Southampton, Ηνωμένο Βασίλειο**

Μεταπτυχιακό στην Τεχνητή Νοημοσύνη

Διπλωματική Εργασία: “Budget Optimisation in Sponsored Search”

Επιβλέπων: Καθηγητής Alex Rogers

Οκτ. 2012 - Οκτ. 2013

**Πανεπιστήμιο Πατρών, Ελλάδα**

Δίπλωμα Ηλεκτρολόγου Μηχανικού και Τεχνολογίας Υπολογιστών

Οκτ. 2005 - Ιουλ. 2011

**ΒΡΑΒΕΙΑ/ΔΙΑΚΡΙΣΕΙΣ**

**Engineering for Health (E4H) Interdisciplinary Center of Institut Polytechnique de Paris** 2023

Επιχορήγηση για συμμετοχή στο συνέδριο ICML

**International Joint Conference on Artificial Intelligence (IJCAI)** 2018

Βραβείο διακεκριμένης εργασίας

**Ακαδημία Αθηνών** 2015

Υποτροφία για διδακτορικές σπουδές στη Επιστήμη Υπολογιστών

**University of Southampton** 2013

Αποφοίτηση με διάκριση (3ος μεταξύ 50 περίπου φοιτητών)

**Υπουργείο Παιδείας και Θρησκευμάτων** 2000-2005

Βραβεία αριστείας σε γυμνάσιο, λύκειο

**ΔΗΜΟΣΙΕΥΣΕΙΣ**

**Άρθρα σε Διεθνή Περιοδικά**

- [1] Ennadir S., Nikolentzos G., Vazirgiannis M. and Boström H., “Generating graph perturbations to enhance the generalization of GNNs”, *AI Open*, Vol 5, pp. 216-223, (2024).
- [2] Kosma C., Nikolentzos G., Panagopoulos G., Steyaert J.M. and Vazirgiannis M., “Neural Ordinary Differential Equations for Modeling Epidemic Spreading”, *Transactions on Machine Learning Research*, (2023).
- [3] Nikolentzos G., Vazirgiannis M., Xypolopoulos C., Lingman M., and Brandt, E.G., “Synthetic electronic health records generated with variational graph autoencoders”, *npj Digital Medicine*, Vol 6, No 1, (2023).
- [4] Skianis K., Nikolentzos G., Gallix B., Thiebaut R., and Exarchakis G., “Predicting COVID-19 positivity and hospitalization with multi-scale graph neural networks”, *Scientific Reports*, Vol 13, No 1, (2023).
- [5] Nikolentzos G., Dasoulas G., and Vazirgiannis M., “Permute Me Softly: Learning Soft Permutations for Graph Representations”, *IEEE Transactions on Pattern Analysis and Machine Intelligence*, Vol 45, No 4, pp. 5087-5098, (2023).
- [6] Nikolentzos G., Siglidis G., and Vazirgiannis M., “Graph Kernels: A Survey”, *Journal of Artificial Intelligence Research*, Vol 72, pp. 943-1027 (2021).
- [7] Nikolentzos G., Dasoulas G. and Vazirgiannis M., “k-hop Graph Neural Networks”, *Neural Networks*, Vol 130, pp. 195-205, (2020).

- [8] Siglidis G., Nikolentzos G., Limnios S., Giatsidis C., Skianis K. and Vazirgiannis M., “GraKeL: A Graph Kernel Library in Python”, *Journal of Machine Learning Research*, Vol 21, No 54, pp. 1-5, (2020).
- [9] Nikolentzos G. and Vazirgiannis M., “Learning Structural Node Representations using Graph Kernels”, *IEEE Transactions on Knowledge and Data Engineering*, Vol 33, Issue 5, pp. 2045-2056, (2021).
- [10] Giatsidis C., Nikolentzos G., Zhang C., Tang J. and Vazirgiannis M., “Rooted Citation Graphs Density Metrics for Research Papers Influence Evaluation”, *Journal of Informetrics*, Vol 13, Issue 2, pp. 757-768, (2019).

#### Ανακοινώσεις σε Διεθνή Συνέδρια

- [1] Nakis N., Kosma C., Nikolentzos G., Chatzianastasis M., Evdaimon I., and Vazirgiannis M., “Signed Graph Autoencoder for Explainable and Polarization-Aware Network Embeddings”, *In Proceedings of the 28th International Conference on Artificial Intelligence and Statistics (AISTATS '25)* (To Appear), Mai Khao, Thailand, May 3-5th, 2025.
- [2] Nikolentzos G., Chatzianastasis M., and Vazirgiannis M., “What Do GNNs Actually Learn? Towards Understanding their Representations”, *In Proceedings of the 3rd Learning on Graphs Conference (LoG '24)*, online, November 26-29, 2024.
- [3] Ennadir S., Alkhatib A., Nikolentzos G., Vazirgiannis, M. and Boström H., “UnboundAttack: Generating Unbounded Adversarial Attacks to Graph Neural Networks”, *In Proceedings of the 12th International Conference on Complex Networks and Their Applications (Complex Networks '23)*, pp. 100-111, Menton Riviera, France, November 28-30, 2023.
- [4] Chatzianastasis M., Nikolentzos G. and Vazirgiannis M., “Supervised Attention Using Homophily in Graph Neural Networks”, *In Proceedings of the 32nd International Conference on Artificial Neural Networks (ICANN '23)*, pp. 576-586, Heraklion, Greece, September 26-29, 2023.
- [5] Michel G., Nikolentzos G., Lutzeyer J., and Vazirgiannis M., “Path Neural Networks: Expressive and Accurate Graph Neural Networks”, *In Proceedings of the 40th International Conference on Machine Learning (ICML '23)*, pp. 24737-24755, Honolulu, USA, July 23-29, 2023.
- [6] Nikolentzos G., and Vazirgiannis M., “Geometric Random Walk Graph Neural Networks via Implicit Layers”, *In Proceedings of the 26th International Conference on Artificial Intelligence and Statistics (AISTATS '23)*, pp. 2035-2053, Valencia, Spain, April 25-27, 2023.
- [7] Nikolentzos G., and Vazirgiannis M., “Graph Alignment Kernels using Weisfeiler and Leman Hierarchies”, *In Proceedings of the 26th International Conference on Artificial Intelligence and Statistics (AISTATS '23)*, pp. 2019-2034, Valencia, Spain, April 25-27, 2023.
- [8] Nikolentzos G., Chatzianastasis M., and Vazirgiannis M., “Weisfeiler and Leman go Hyperbolic: Learning Distance Preserving Node Representations”, *In Proceedings of the 26th International Conference on Artificial Intelligence and Statistics (AISTATS '23)*, pp. 1037-1054, Valencia, Spain, April 25-27, 2023.
- [9] Kosma C., Nikolentzos G., and Vazirgiannis M., “Time Series Forecasting Models Copy the Past: How to Mitigate”, *In Proceedings of the 31st International Conference on Artificial Neural Networks (ICANN '22)*, pp. 366-378, Bristol, UK, September 6–9, 2022.
- [10] Chatzianastasis M., Nikolentzos G., and Vazirgiannis M., “Mass Enhanced Node Embeddings for Drug Repurposing”, *In Proceedings of the 12th Hellenic Conference on Artificial Intelligence (SETN '22)*, pp. 1-5, Corfu, Greece, September 7-9, 2022.

- [11] Xu N., [Nikolentzos G.](#), Vazirgiannis M., and Boström H., “Image Keypoint Matching Using Graph Neural Networks”, *In Proceedings of the 10th International Conference on Complex Networks and Their Applications (Complex Networks '22)*, pp. 441-451, Madrid, Spain, November 30 - December 2, 2021.
- [12] [Nikolentzos G.](#), Panagopoulos G. and Vazirgiannis M., “An Empirical Study of the Expressiveness of Graph Kernels and Graph Neural Networks”, *In Proceedings of the 30th International Conference on Artificial Neural Networks (ICANN '21)*, pp. 139-150, online, September 14-17, 2021.
- [13] Dasoulas G., [Nikolentzos G.](#), Scaman K., Virmaux A., and Vazirgiannis M., “Ego-based Entropy Measures for Structural Representations”, *In Proceedings of the 46th IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP '21)*, pp. 3210-3214, online, June 6-11, 2021.
- [14] Panagopoulos G., [Nikolentzos G.](#), and Vazirgiannis M., “Transfer Graph Neural Networks for Pandemic Forecasting”, *In Proceedings of the 35th AAAI Conference on Artificial Intelligence (AAAI '21)*, pp. 4838-4845, online, February 2-9, 2021.
- [15] [Nikolentzos G.](#), and Vazirgiannis M., “Random Walk Graph Neural Networks”, *In Proceedings of the 34th Conference on Neural Information Processing Systems (NeurIPS '20)*, pp. 16211-16222, online, December 6-12, 2020.
- [16] [Nikolentzos G.](#), Thomas M., Ramírez Rivera A., and Vazirgiannis M., “Image Classification Using Graph-Based Representations and Graph Neural Networks”, *In Proceedings of the 9th International Conference on Complex Networks and Their Applications (Complex Networks '20)*, pp. 142-153, online, December 1-3, 2020.
- [17] Rennard V., [Nikolentzos G.](#), and Vazirgiannis M., “Graph Auto-Encoders for Learning Edge Representations”, *In Proceedings of the 9th International Conference on Complex Networks and Their Applications (Complex Networks '20)*, pp. 117-129, online, December 1-3, 2020.
- [18] Wu C., [Nikolentzos G.](#), and Vazirgiannis M., “EvoNet: A Neural Network for Predicting the Evolution of Dynamic Graphs”, *In Proceedings of the 29th International Conference on Artificial Neural Networks (ICANN '20)*, pp. 594–606, online, 2020.
- [19] Skianis K., [Nikolentzos G.](#), Limnios S. and Vazirgiannis M., “Rep the Set: Neural Networks for Learning Set Representations”, *In Proceedings of the 23rd International Conference on Artificial Intelligence and Statistics (AISTATS '20)*, pp. 1410-1420, online, 2020.
- [20] [Nikolentzos G.](#), Tixier A. and Vazirgiannis M., “Message Passing Attention Networks for Document Understanding”, *In Proceedings of the 34th AAAI Conference on Artificial Intelligence (AAAI '20)*, pp. 8544-8551, New York, USA, February 7-12, 2020.
- [21] Wu C., [Nikolentzos G.](#) and Vazirgiannis M., “Matching Node Embeddings Using Valid Assignment Kernels”, *In Proceedings of the 8th International Conference on Complex Networks and Their Applications (Complex Networks '19)*, Vol 1, pp. 810-821, Lisbon, Portugal, December 10-12, 2019.
- [22] Tixier A., [Nikolentzos G.](#), Meladianos P. and Vazirgiannis M., “Graph Classification with 2D Convolutional Neural Networks”, *In Proceedings of the 28th International Conference on Artificial Neural Networks: Workshop and Special Sessions (ICANN '19)*, pp. 578-593, Munich, Germany, September 17-19, 2019.
- [23] Steenfatt N., [Nikolentzos G.](#), Vazirgiannis M. and Zhao Q., “Learning Structural Node Representations on Directed Graphs”, *In Proceedings of the 7th International Conference on Complex Networks and Their Applications (Complex Networks '18)*, pp. 132-144, Cambridge, United Kingdom, December 11-13, 2018.

- [24] [Nikolentzos G.](#) and Vazirgiannis M., “Enhancing Graph Kernels via Successive Embeddings”, *In Proceedings of the 27th International Conference on Information and Knowledge Management (CIKM '18)*, pp. 1583-1586, Turin, Italy, October 22-26, 2018.
- [25] [Nikolentzos G.](#), Meladianos P., Tixier A., Skianis K. and Vazirgiannis M., “Kernel Graph Convolutional Neural Networks”, *In Proceedings of the 27th International Conference on Artificial Neural Networks (ICANN '18)*, pp. 22-32, Rhodes, Greece, October 4-7, 2018.
- [26] [Nikolentzos G.](#), Meladianos P., Limnios S. and Vazirgiannis M., “A Degeneracy Framework for Graph Similarity”, *In Proceeding of the 27th International Joint Conference on Artificial Intelligence (IJCAI '18)*, pp. 2595-2601, Stockholm, Sweden, July 13-19, 2018.
- [27] Meladianos P., Xypolopoulos C., [Nikolentzos G.](#), and Vazirgiannis M., “An Optimization Approach for Sub-event Detection and Summarization in Twitter”, *In Proceedings of the 40th European Conference on Information Retrieval (ECIR '18)*, pp. 481-493, Grenoble, France, March 26-29, 2018.
- [28] [Nikolentzos G.](#), Meladianos P., Stavrakas Y. and Vazirgiannis M., “K-clique-graphs for Dense Subgraph Discovery”, *In Proceedings of the 2017 European Conference on Machine Learning and Principles and Practice of Knowledge Discovery (ECML-PKDD '17)*, pp. 617-633, Skopje, FYROM, September 18-22, 2017.
- [29] [Nikolentzos G.](#), Meladianos P., Rousseau F., Stavrakas Y. and Vazirgiannis M., “Shortest-Path Graph Kernels for Document Similarity”, *In Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing (EMNLP '17)*, pp. 1890-1900, Copenhagen, Denmark, September 7-11, 2017.
- [30] Meladianos P., Tixier A., [Nikolentzos G.](#), and Vazirgiannis M., “Real-Time Keyword Extraction from Conversations”, *In Proceedings of the 15th European Chapter of the Association for Computational Linguistics (EACL '17)*, pp. 462-467, Valencia, Spain, April 3-7, 2017.
- [31] [Nikolentzos G.](#), Meladianos P., Rousseau F., Stavrakas Y. and Vazirgiannis M., “Multivariate Gaussian Document Representation from Word Embeddings for Text Categorization”, *In Proceedings of the 15th European Chapter of the Association for Computational Linguistics (EACL '17)*, pp. 450-455, Valencia, Spain, April 3-7, 2017.
- [32] [Nikolentzos G.](#), Meladianos P. and Vazirgiannis M., “Matching Node Embeddings for Graph Similarity”, *In Proceedings of the 31st AAAI Conference on Artificial Intelligence (AAAI '17)*, pp. 2429-2435, San Francisco, USA, February 4-9, 2017.
- [33] Meladianos P., [Nikolentzos G.](#), Rousseau F., Stavrakas Y. and Vazirgiannis M., “Degeneracy-based Real-Time Sub-Event Detection in Twitter Stream”, *In Proceedings of the 9th AAAI International Conference on Web and Social Media (ICWSM '15)*, pp. 248-257, Oxford, United Kingdom, May 26-29, 2015.

### Κεφάλαια Βιβλίων

- [1] [Nikolentzos G.](#), Panagopoulos G., Evdaimon I. and Vazirgiannis M., “Can Author Collaboration Reveal Impact? The Case of h-index”, book chapter in *Predicting the Dynamics of Research Impact*, pp. 177-194, Springer International Publishing, 2021.

### Tutorials

- [1] Vazirgiannis M., [Nikolentzos G.](#) and Siglidis G., “Machine Learning on Graphs with Kernels”, *In Proceedings of the 28th International Conference on Information and Knowledge Management (CIKM '19)*, pp. 2983-2984, Beijing, China, November 3-7, 2019.

- [2] Vazirgiannis M., Malliaros F. and Nikolentzos G., “GraphRep: Boosting Text Mining, NLP and Information Retrieval with Graphs”, *In Proceedings of the 27th International Conference on Information and Knowledge Management (CIKM '18)*, pp. 2295-2296, Turin, Italy, October 22-26, 2018.

#### Άλλες Δημοσιεύσεις

- [1] Qabel A., Ennadir S., Nikolentzos G., Lutzeyer J., Chatzianastasis M., Boström H. and Vazirgiannis M., “Structure-Aware Antibiotic Resistance Classification Using Graph Neural Networks”, *In 3rd AI for Science workshop*, New Orleans, USA, December 2, 2022.
- [2] Nikolentzos G., Meladianos P., Liakis N. and Vazirgiannis M., “AUEB at TREC 2015: Clinical Decision Support Track”, *In Proceedings of the 24th Text REtrieval Conference (TREC '15)*, 2015.

#### ΟΜΙΛΙΕΣ ΣΕ ΣΥΝΕΔΡΙΑ

- Τίτλος: “Mass Enhanced Node Embeddings for Drug Repurposing”  
Παρουσιάστηκε στο 12th Hellenic Conference on Artificial Intelligence (SETN '22), Corfu, Greece, 2022.
- Τίτλος: “An Empirical Study of the Expressiveness of Graph Kernels and Graph Neural Networks”  
Παρουσιάστηκε στο 30th International Conference on Artificial Neural Networks (ICANN '21), online, 2021.
- Τίτλος: “Image Classification Using Graph-Based Representations and Graph Neural Networks”  
Παρουσιάστηκε στο 9th International Conference on Complex Networks and Their Applications (Complex Networks '20), online, 2020.
- Τίτλος: “Message Passing Attention Networks for Document Understanding”  
Παρουσιάστηκε στο 34th AAAI Conference on Artificial Intelligence (AAAI '20), New York, USA, 2020.
- Τίτλος: “Graph Classification with 2D Convolutional Neural Networks”  
Παρουσιάστηκε στο 28th International Conference on Artificial Neural Networks (ICANN '19), Munich, Germany, 2019.
- Τίτλος: “A Degeneracy Framework for Graph Similarity”  
Παρουσιάστηκε στο 27th International Joint Conference on Artificial Intelligence (IJCAI '18), Stockholm, Sweden, 2018.
- Τίτλος: “Shortest-Path Graph Kernels for Document Similarity”  
Παρουσιάστηκε στο 2017 Conference on Empirical Methods in Natural Language Processing (EMNLP '17), Copenhagen, Denmark, 2017.
- Τίτλος: “Matching Node Embeddings for Graph Similarity”  
Παρουσιάστηκε στο 31st AAAI Conference on Artificial Intelligence (AAAI '17), San Francisco, USA, 2017.

## ΠΡΟΣΚΕΚΑΗΜΕΝΕΣ ΟΜΙΛΙΕΣ

- Τίτλος: “*Introduction to Graph Neural Networks*”  
Παρουσιάστηκε στο HIAS summer school in Artificial Intelligence, Athens, Greece, 2024.
- Τίτλος: “*Towards more Intuitive Graph Neural Networks via Trainable Latent Graph Layers*”  
Παρουσιάστηκε στο Learning on Graphs (LoG) local meetup in Paris, France, 2023.
- Τίτλος: “*What Do GNNs Actually Learn? Towards Understanding their Representations*”  
Παρουσιάστηκε στο Complex Networks Analysis discussion group of the National Center for Scientific Research “Demokritos”, Athens, Greece, 2023.
- Τίτλος: “*Creating Synthetic Patient Trajectories with Graph Generative Models*”  
Παρουσιάστηκε στο 20th International Workshop on Mining and Learning with Graphs, Turin, Italy, 2023.
- Τίτλος: “*Random Walk Graph Neural Networks*”  
Παρουσιάστηκε στο Complex Networks Analysis discussion group of the National Center for Scientific Research “Demokritos”, Athens, Greece, 2021.
- Τίτλος: “*k-hop Graph Neural Networks*”  
Παρουσιάστηκε στο Knowledge Engineering Group (KEG) of Tsinghua University, Beijing, China, 2019.
- Τίτλος: “*Learning on Graphs: The Problem of Graph Classification*”  
Παρουσιάστηκε στο Noah’s Ark Lab of Huawei Technologies, Paris, France, 2018.
- Τίτλος: “*Using Graph Kernels to Address the Graph Similarity and Learning Problems*”  
Παρουσιάστηκε στην πρώτη συνάντηση του ESIGMA project, Paris, France, 2018.
- Τίτλος: “*Dense Subgraph Discovery and Applications*”  
Παρουσιάστηκε στο Workshop on Social Media Processing, Changsha, China, 2016.

## ΑΛΛΕΣ ΟΜΙΛΙΕΣ

- Τίτλος: “*Machine Learning on Graphs with Kernels*”  
Tutorial που παρουσιάστηκε στο 28th International Conference on Information and Knowledge Management, Beijing, China, 2019.

## ΕΡΕΥΝΗΤΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ

Επιστημονικά υπεύθυνος, “Anything2Graph: Representing Data as Graphs with Applications in Machine Learning”, Ίδρυμα Κρατικών Υποτροφιών, 26 400€, Ιαν. 2020 - Δεκ. 2021.

## ΑΚΑΔΗΜΑΙΚΗ ΥΠΗΡΕΣΙΑ

Σύμβουλος καθηγητής  
Πανεπιστήμιο Πελοποννήσου

2024 - σήμερα

Αξιολογητής προτάσεων έργων  
French National Research Agency (ANR)

2021 - σήμερα

Editorial Service σε Διεθνή Περιοδικά  
Transactions on Machine Learning Research

Κριτής σε Διεθνή Περιοδικά

IEEE Pattern Analysis and Machine Intelligence, Journal of Machine Learning Research, Neurocomputing, IEEE Signal Processing Letters, Neural Networks, Machine Learning, Information and Inference, IEEE Transactions on Knowledge and Data Engineering, Pattern Recognition, Pattern

Recognition Letters, Transactions on Machine Learning Research (**Expert Reviewer**), Knowledge and Information Systems, ACM Transactions on Knowledge Discovery from Data, Scientific Reports, PLOS One, Expert Systems With Applications, Information Sciences, Applied Intelligence, Applied Network Science, Automation in Construction, npj Digital Medicine, Computers in Biology and Medicine, IEEE Access, The Computer Journal, Natural Language Engineering, Chemometrics and Intelligent Laboratory Systems, Facta Universitatis, Series: Mathematics and Informatics, IEEE Transactions on Cybernetics

#### **Area Chair, Meta Reviewer σε Διεθνή Συνέδρια**

- International Conference on Machine Learning (ICML), 2025
- Conference on Neural Information Processing Systems (NeurIPS), 2024
- Annual Conference of the Association for Computational Linguistics (ACL), 2023
- Conference on Empirical Methods in Natural Language Processing (EMNLP), 2023

#### **Κριτής σε Διεθνή Συνέδρια**

- Conference of the European Chapter of the Association for Computational Linguistics (EACL), 2021, 2023
- Conference on Empirical Methods in Natural Language Processing (EMNLP), 2020, 2021, 2022
- Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL-HLT), 2021
- Annual Conference of the Association for Computational Linguistics (ACL), 2020, 2021, 2022
- Conference on Neural Information Processing Systems (NeurIPS), 2016, 2020, 2021, 2022, 2023 (**top reviewer**)
- International Conference on Machine Learning (ICML), 2021, 2022, 2023 2024
- International Conference on Artificial Intelligence and Statistics (AISTATS), 2022, 2023 (**top reviewer**), 2024
- AAAI Conference on Artificial Intelligence (AAAI), 2017, 2018, 2021 (**top 25% of Program Committee Members**), 2022
- International Conference on Learning Representations (ICLR), 2022, 2023, 2024 (**outstanding reviewer**)
- International Joint Conference on Artificial Intelligence (IJCAI), 2017, 2024
- International Conference on Artificial Neural Networks (ICANN), 2018, 2019, 2021, 2022, 2023

#### **Κριτής σε Workshops**

- Joint Workshop on Narrative Understanding, Storylines, and Events (NUSE), 2020
- Workshop on Graph-Based Methods for Natural Language Processing (TextGraphs), 2019 - 2020
- International Workshop on Mining Actionable Insights from Social Networks (MAISoN), 2018, 2019, 2021
- International Workshop on Assessing Impact and Merit in Science (AIMinScience), 2020



- International Workshop of Deep Learning for Graphs and Structured Data Embedding (DL4G-SDE), 2019
- International Workshop on Learning Representations for Big Networks (BigNet), 2018

## ΔΙΔΑΚΤΙΚΗ ΕΜΠΕΙΡΙΑ

### Προπτυχιακό Επίπεδο

- Τεχνητή Νοημοσύνη, Πανεπιστήμιο Πελοποννήσου 2024 - σήμερα
- Μαθηματικά I, Πανεπιστήμιο Πελοποννήσου 2024 - σήμερα

### Μεταπτυχιακό Επίπεδο

- Data Science Challenge, Οικονομικό Πανεπιστήμιο Αθηνών 2021 - σήμερα
- Advanced Learning for Text and Graph Data, École Polytechnique 2018 - 2023
- Data Mining, ParisTech Elite Institute of Technology (SPEIT) 2021 - 2022

### Εργαστήρια Προπτυχιακών Μαθημάτων

- Εξόρυξη Γνώσης από Βάσεις Δεδομένων και τον Παγκόσμιο Ιστό, Οικονομικό Πανεπιστήμιο Αθηνών 2014 - 2017
- Advanced Learning for Text and Graph Data, École Polytechnique 2018 - 2023
- Επιχειρησιακή Έρευνα, Οικονομικό Πανεπιστήμιο Αθηνών 2016

### Εργαστήρια Μεταπτυχιακών Μαθημάτων

- Εφαρμογες στον Παγκόσμιο Ιστό, Οικονομικό Πανεπιστήμιο Αθηνών 2014 - 2017

## ΛΟΓΙΣΜΙΚΟ

Συμβολή στην ανάπτυξη και συντήρηση της βιβλιοθήκης GraKeL η οποία περιλαμβάνει υλοποιήσεις πυρήνων γραφημάτων (graph kernels) και η οποία έχει λάβει περισσότερα από 600 αστέρια από τους χρήστες του GitHub (διαθέσιμη στη διεύθυνση: <https://github.com/ysig/GraKeL>).

## ΓΛΩΣΣΕΣ

Ελληνικά	Μητρική Γλώσσα
Αγγλικά	Πτυχίο ECPE C2
Γαλλικά	Πτυχίο Sorbonne C1

## ΕΠΑΓΓΕΛΜΑΤΙΚΕΣ ΟΡΓΑΝΩΣΕΙΣ ΚΑΙ ΕΠΙΜΕΛΗΤΗΡΙΑ

- Μέλος του Τεχνικού Επιμελητηρίου της Ελλάδας (ΤΕΕ)