

Conference Paper Title*

Spiros Maggioros

*School of Electrical and Computer Engineering
National Technical University of Athens*

Athens, Greece

Spiros.Maggioros@pennmedicine.upenn.edu

Rei Pasai

*School of Electrical and Computer Engineering
National Technical University of Athens*

Athens, Greece

...

Eleni Nasopoulou

*School of Electrical and Computer Engineering
National Technical University of Athens*

Athens, Greece

...

Abstract—

*Index Terms—*Graphs, Graph Neural Networks, Kernels, Deep Learning, Representation Learning

I. INTRODUCTION

II. RELATED WORK

A. *Graph Representation Learning*

B. *Graph Neural Networks*

III. MODELS

A. *Graph Representation Learning Models*

B. *Graph Neural Network Models*

IV. TASKS

A. *Graph Classification*

B. *Clustering & Manifold Learning*

V. DATASETS & EVALUATION

VI. RESULTS & DISCUSSION

REFERENCES

- [1] Narayanan, A., Chandramohan, M., Venkatesan, R., Chen, L., Liu, Y., & Jaiswal, S. (2017). graph2vec: Learning Distributed Representations of Graphs. ArXiv, abs/1707.05005.
- [2] Anton Tsitsulin, Davide Mottin, Panagiotis Karras, Alexander Bronstein, and Emmanuel Müller. 2018. NetLSD: Hearing the Shape of a Graph. In Proceedings of the 24th ACM SIGKDD International Conference on Knowledge Discovery & Data Mining (KDD '18). Association for Computing Machinery, New York, NY, USA, 2347–2356. <https://doi.org/10.1145/3219819.3219991>
- [3] Keyulu Xu, Weihua Hu, Jure Leskovec, and Stefanie Jegelka. How powerful are graph neural networks? In International Conference on Learning Representations (ICLR), 2019.