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EDUCATION

PhD

1389 — 1395

Isfahan University

Artificial Intelligence

Thesis: Semantic community detection in dynamic social networks

Supervisor: Dr. Naser Movahedinia, Dr. M.R. Khayyambashi

M.Sc

1386 — 1389

Isfahan University

Artificial Intelligence

Thesis: Content based Routing for Mobile ad-hoc Networks

Supervisor: Dr. Naser Movahedinia, Dr. Naser Ghasemaghaee

INTERESTS

Social Network Analysis

Information Networks

Artificial Intelligence

Machine Learning

Educational Data Mining

PUBLICATIONS

- Z. Aghaee, H. A. Beni, S. Kianian, and M. Vahidipour, "A Heuristic Algorithm Focusing on the Rich-Club Phenomenon for the Influence Maximization Problem in Social Networks," in *2020 6th International Conference on Web Research (ICWR)*, 2020, pp. 119-125.
- Z. Aghaee and S. Kianian, "Efficient influence spread estimation for influence maximization," *Social Network Analysis and Mining*, vol. 10, pp. 1-21, 2020.
- Z. Aghaee and S. Kianian, "Influence maximization algorithm based on reducing search space in the social networks," *SN Applied Sciences*, vol. 2, pp. 1-14, 2020.
- F. Dehghani, N. Movahhedinia, M. R. Khayyambashi, and S. Kianian, "Real-time traffic classification based on statistical and payload content features," in *2010 2nd international workshop on intelligent systems and applications*, 2010, pp. 1-4.
- S. Farzi, H. Faili, and S. Kianian, "A preordering model based on phrasal dependency tree," *Digital Scholarship in the Humanities*, vol. 33, pp. 748-765, 2018.
- S. Farzi, H. Faili, and S. Kianian, "A neural reordering model based on phrasal dependency tree for statistical machine translation," *Intelligent Data Analysis*, vol. 22, pp. 1163-1183, 2018.
- S. Farzi and S. Kianian, "A novel clustering algorithm for attributed graphs based on K-medoid algorithm," *Journal of Experimental & Theoretical Artificial Intelligence*, vol. 30, pp. 795-809, 2018.
- S. Farzi and S. Kianian, "Katibeh: A Persian news summarizer using the

novel semi-supervised approach," *Digital Scholarship in the Humanities*, vol. 34, pp. 277-289, 2019.

- S. Farzi, S. Kianian, and I. Rastkhadive, "Diagnosis of attention deficit hyperactivity disorder using deep belief network based on greedy approach," in *2017 5th International Symposium on Computational and Business Intelligence (ISCBI)*, 2017, pp. 96-99.
- S. Farzi, S. Kianian, and I. Rastkhadive, "Predicting serious diabetic complications using hidden pattern detection," in *2017 IEEE 4th International Conference on Knowledge-Based Engineering and Innovation (KBEI)*, 2017, pp. 0063-0068.
- S. Kianian and S. Farzi, "Assessment of Customer Credit Risk using an Adaptive Neuro-Fuzzy System," *Computer and Knowledge Engineering*, vol. 2, pp. 19-28, 2020.
- S. Kianian, S. Farzi, and H. Samak, "A New Clustering Algorithm for Attributive Graphs through Information Diffusion Approaches," *Journal of Electrical and Computer Engineering Innovations (JECEI)*, vol. 8, pp. 273-284, 2020.
- S. Kianian, M. R. Khayyambashi, and N. Movahhedinia, "Semantic community detection using label propagation algorithm," *Journal of Information Science*, vol. 42, pp. 166-178, 2016.
- S. Kianian, M. R. Khayyambashi, and N. Movahhedinia, "FuSeO: Fuzzy semantic overlapping community detection," *Journal of Intelligent & Fuzzy Systems*, vol. 32, pp. 3987-3998, 2017.
- S. Kianian, N. Movahhedinia, N. G. Aghaee, and F. Dehghani, "An Intelligent Content-Based Routing for Multimedia Mobile Ad Hoc Networks," in *2010 Second International Conference on Multimedia and Information Technology*, 2010, pp. 142-145.
- S. Kianian and M. Rostamnia, "An efficient path-based approach for influence maximization in social networks," *Expert Systems with Applications*, vol. 167, p. 114168, 2021.
- S. Mirmousavi and S. Kianian, "Link Prediction using Network Embedding based on Global Similarity," *Journal of Electrical and Computer Engineering Innovations (JECEI)*, vol. 8, pp. 97-108, 2020.
- Y. Rohani, Z. Torabi, and S. Kianian, "A novel hybrid genetic algorithm to predict students' academic performance," *Journal of Electrical and Computer Engineering Innovations (JECEI)*, vol. 8, pp. 219-232, 2020.
- M. Rostamnia and S. Kianian, "Vertex cover preprocessing for influence maximization algorithms," in *2019 5th Conference on Knowledge Based Engineering and Innovation (KBEI)*, pp. 338-342.