BUSHRA JAWAD MOHAMMAD ALHIJAWI

NATIONALITY	Jordanian	E-MAIL	b.alhijawi@psut.edu.jo
ADDRESS	Zarqa-Jordan	FACEBOOK	Bushra Hijawi
RESEARCHGATE	Bushra Alhijawi	RESEARCH INTERESTS	- Artificial Intelligence - Web Intelligence. - Recommnder System. - Optimization. - Machine Learning

EXPERIENCE

[2020]–[PRESENT] • Lecturer • Princess Sumaya University For Technology
[2017]–[2020] • Part Time Lecturer • Princess Sumaya University For Technology
[2009]–[2014] • Trainer • Alsadeen Center
[2014]–[2015] • Team Leader • Alsadeen Center
[2014]–[2015] • Design And Implement A Scheduler System To Create The Final Exams Schedule Of The University.

EDUCATION

[2017]–[PRESENT] • PH.D Degree in computer sciences • Princess Sumaya University for Technology
[2015]–[2017] • MS.C Degree in information systems and innovation • The Hashemite University • GPA: 4.00 with 1st class honor
[2011]–[2015] • BS.C Degree in computer information systems • Al-Albayt University • GPA: 93.13 with 1st class honor
[2010]–[2014] • secondary education • GPA: 86.8

PUBLICATION

PUBLISHED WORKS:

- B. Alhijawi And Y. Kilani. **A Collaborative Filtering Recommender System Using Genetic Algorithm**. Information Processing & Management. 57(6), 2020.
- B. Alhijawi And Y. Kilani. **The Recommender System: A Survey**. International Journal of Advanced Intelligence Paradigms. 15 (3), 2020, 229-251.
- B. Alhijawi, Y. Kilani And A. Alsarhan. **Improving Recommendation Quality and Performance of Genetic-Based Recommender System**. International Journal of Advanced Intelligence Paradigms. 15 (1), 2020, 77-88.

- B. Alhijawi. **Improving collaborative filtering recommender system results and performance using satisfaction degree and emotions of users**. Web Intelligence and Agent Systems 17(3), 2019, 229-241.
- Z. Salah, A. Al-ghuwairi, A. Baarah, A. Aloqaily, B. Qadoumi, M. Alhayek and B. Alhijawi. **A Systematic Review on Opinion Mining and Sentiment Analysis in Social Media**. International Journal of Business Information Systems. 31 (4), 2019, 530-554.
- B. Alhijawi. **Improving Collaborative Filtering Recommender System Results using Optimization Technique**. In: Proceedings of the 3rd International Conference on Advances in Artificial Intelligence (ICAAI 2019), pp. 183-187, ACM, 2019, Istanbul, Turkey. Has been selected as the best oral presentation of this conference.
- B. Alhijawi, G. Al-Naymat, N. Obeid, A. Awajan. **Mitigating the Effect of Data Sparsity: A Case Study on Collaborative Filtering Recommender System**. In: Proceedings of 2019 2nd International Conference on new Trends in Computing Sciences (ICTCS), IEEE, 2019, Amman, Jordan.
- B. Alhijawi, N. Obeid, A. Awajan, and S. Tedmori. **Improving collaborative filtering recommender systems using semantic information**. In: Proceedings of the ninth International Conference on Information and Communication Systems (ICICS), pp. 127-132. IEEE, 2018, Irbid, Jordan.
- Y. Kilani, B. Alhijawi and A. Alsarhan. **Using Artificial Intelligence Techniques in Collaborative Filtering Recommender Systems: Survey**. International Journal of Advanced Intelligence Paradigms. 11 (3-4), 2018, 378-396.
- B. Alhijawi, S. Hriez and A. Awajan. **Text-based Authorship Identification - A survey**. In: Proceedings of the 5th International Symposium on Innovation in Information and Communication Technology. 2018.
- B. Alhijawi and H. Douglass. **A conceptual framework of e-loyalty in social-based e-commerce**. International Journal of Business Information Systems 26 (4), 2017, 413-431.
- B. Alhijawi and Y. Kilani. **Using Genetic Algorithms for Measuring the Similarity Values between Users in Collaborative Filtering Recommender Systems**. In: Proceedings of the 15th IEEE/ACIS International Conference on Computer an Information Science (ICIS 2016), pp. 1-6. IEEE, 2016, Okayama, Japan.

ACCEPTED FOR PUBLICATION:

- B. Alhijawi and G. Al-Naymat **A Novel Positive Multi-Layer Graph-based Method for Collaborative Filtering Recommender System**. Journal of Computer Science and Technology.
- B. Alhijawi. **Dominion Algorithm- A novel metaheuristic optimization method**. International Journal of Advanced Intelligence Paradigms.

AWARDS

[2019] • Got the best oral presentation award of ICAAI 2019.
[2013] • Got award in the competition of design and development of websites in jubilee school.
[2010] • Got award in the competition of design and development of websites in jubilee school.

[2009] • Got award in the competition of design and development of websites in jubilee school.
[2009] • Got award in the competition of design and development of websites in the Arab academy for banking and financial sciences.
[2008] • Got the first award in the best software competition in the leading center for outstanding students/Al-Ramtha.

COURSES AND WORKSHOPS

- ICDL Course from the International Information Technology center.
- ICTDAR-Talal Abo Ghazaleh for Small and Medium Enterprises.
- Website design Course.
- Micromedia Flash Course.
- Micromedia DreamWeaver Course.
- Microsoft Visual Studio Course.
- Adobe Photoshop Course.
- Adobe InDesign Course.
- Oracle Developer Suites Course.
- VB.NET Course.