Bahram Sadeghi Bigham

2026/10/17, 1405/07/25



Current Position

- Associate Professor, Department of Computer Science, Faculty of Mathematical Sciences, Alzahra University, Tehran, Iran.
- Consultant of Mirab company in the fields of Business Intelligence (BI), Continuous Improvement and Mechatronics

Contact Info

Tel. No: +982185693007 **Cell Phone:** +989122187384

Postal Address: **Department of Computer Science, Faculty of Mathematic Sciences, Alzahra University, Tehran, Iran.**

E-mail: b_sadeghi_b [@] alzahra.ac.ir Second email: b.sadeghi.b [@] gmail.com

Webpage: https://www.sadeghibigham.ir/en

Academic Webpage: https://staff.alzahra.ac.ir/sadeghibigham/en/

Google scholar: https://scholar.google.com/citations?user=Lvgi_zoAAAAJ&hl=en

Scopus: https://www.scopus.com/authid/detail.uri?authorId=57866199500

ORCID: https://orcid.org/0000-0003-3387-3193

ResearchGate: https://www.researchgate.net/profile/Bahram_Bigham

Web Of Science: https://www.webofscience.com/wos/author/record/2009928

Mendeley: https://www.mendeley.com/reference-manager/library/all-references/

Research Area:

- Algorithms and Computational Geometry
- Robotics and Motion Planning
- Industrial Applications of AI Computational
- Data Science, Data Mining
- Business Intelligent (BI)
- Complexity and Optimization

Education

Year	Degree/Certificate	Institute Attended
2008-2009	Postdoctoral Fellow (Computer Science)	Cardiff University (UK)
2004-2008	PhD., (Computer Science)	Amirkabir University of Technology
1998–2000	MSc (Applied Mathematics)	Amirkabir University of Technology
1993-1996	B.Sc. (Pure Mathematics)	Birjand University, Birjand , Iran

Career details

Year	Designation	Institute
2022 up to now	Associate Prof. at Computer Science	Alzahra University
2019 up to now	AI/BI Consultant	Mirab company
2018 up to 2022	Dean of Department of CS and IT	Inst. For Adv. Studies in Basic Sciences (IASBS)
2016 up to 2018	Associate Professor at CS and IT	Inst. For Adv. Studies in Basic Sciences (IASBS)
2008 up to 2016	Assistant Professor at CS and IT	Inst. For Adv. Studies in Basic Sciences (IASBS)
2005 up to 2011	Dean of Dep. of IT	Joint program (Heriot Watt University (UK) and IASBS) in Tehran
2005 up to 2012	Dean of Department of CS and IT	Inst. For Adv. Studies in Basic Sciences (IASBS)

Invited, Keynote Speaker

Year	Designation	Conference
Numerous additional talks and presentations on Artificial Intelligence, Industry, and Business have been delivered since 2024 and continue to date.		
2024	Invited Speaker	Second Seminar on Data Science and Basic Sciences, (The Academy of Science - Iran)
2024	Invited Speaker	Conference on ways to improve mathematics education in the age of artificial intelligence
2024	Invited Speaker	The 17th Conference of Statistics and Probability of Iran
2023	Invited Speaker	National Conference on Smart Systems and Applied Mathematics S3CAM2023
2022	Invited Speaker	Seminar on Data Science and Basic Sciences, Alzahra University
2021	Invited Speaker	Research Week speaker, Kharazmi University (National)
2019	Invited Speaker	11th Winter School on Computational Geometry Amirkabir univ. (International)
2018	Invited Speaker	10th Winter School on Computational Geometry Amirkabir univ. (International)
2017	Invited Speaker	Department of Computer Science, Tarbiyat Modarres univ.
2017	Invited Speaker	9th Winter School on Computational Geometry Amirkabir univ. (International)
2016	Invited Speaker	4th Conference on Computer Science New Topics (Alzahra Univ.): Robotics and Geometry
2016	Instructor (Short Course)	Seljuk Univ. (Turkey): Computational Geometry
2015	Invited Speaker	7th Winter School on Computational Geometry Amirkabir univ.. (International)
2014	Invited Speaker	6th Winter School on Computational Geometry Amirkabir univ.. (International)
2014	Invited Speaker	2th Conference on Computer Science New Topics (Alzahra Univ.): Robot Motion Planning
2013	Invited Speaker	5th Winter School on Computational Geometry Amirkabir univ.. (International)
2013	Invited Speaker	1st Conference on Computer Science New Topics (Alzahra Univ.): From Computer Science to Society
2011	Invited Speaker	3rd Winter School on Computational Geometry
2012	Invited Speaker	4th Winter School on Computational Geometry Amirkabir unv. (International)
2012	Invited Speaker	4th Winter School on Computational Geometry Amirkabir unv. (International)

Services

Year	Designation	Conference
2023 – up to now	Scientific committee	Several Conferences
2022	Scientific committee	13th International Conference on Information and Knowledge Technology (IKT)
2022	Scientific Committee	CSE2022 Conference, Data Science (Shahr e Kord Unv.)
2019	General Chair, member of Steering Committee	International Conference on Contemporary Issues in Data Science 2019 (CiDaS), Institute for Adv. Studies in Basic Sciences, Zanjan, IR
2018	Scientific Committee	CICIS Conference (Kharazmi Unv., Tehran)
2014	Scientific Committee	CSCCIT Conference (Tabriz Unv.)
2012	Chairman & Scientific Committee	Contemporary Issues in Computer and Information Sciences (CICIS 2012) (International)
2012	Scientific Committee	CUBE 2012 Pune (India) (International)
2011	Chairman & Scientific Committee	Contemporary Issues in Computer and Information Sciences (CICIS 2011) (International) Amirkabir univ.. (International)
2010	Chairman & Scientific Committee	Contemporary Issues in Computer and Information Sciences (CICIS 2010) (National-Persian)

Teaching Experiences:

- Algorithms
- Data Mining
- Computational Complexity
- Computational Geometry
- Robot Motion Planning
- Graph Theory
- Data Science
- Business Intelligent
- Artificial Intelligence
- Image Processing
- Information Technology
- Data Structure

Accomplished National Projects:

Year	Designation	Organization
2025	Production Planning in Manufacturing Using Artificial Intelligence Tools	Mirab Company
2024	Business Intelligent System for Industrial Cooling Systems Manufacturer	Mobaddelhaye Hararti Company
2023	Process Mining and Control dashboards	Mirab Company
2022	KPIs and Decision Support Systems based on DS	Mirab Company
2021	Business Intelligent System for Industry	Mirab Company
2021	E-learning model for Art Education in Iran	Art Education and Planning Bureau
2012	Rating Iran made software (Funded through IT and Digital Media center in Iran)	Information Technology and Digital Media Development Center
2012	An expert system for automated short answer questions scoring (Funded through Ministry of science, research and Technology)	Iranian University Entrance Exams Organization

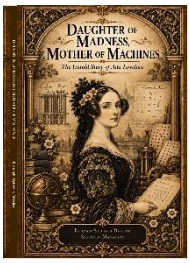
Patent

- **Intelligent assistant system for mammograms** (for detecting breast cancer), Bahram Sadeghi Bigham and Farzaneh Moradkhani, Patent No: 1393/03/37-83119, 2014.

Publications

Books

Authored:



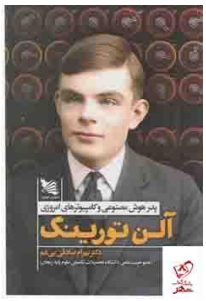
- **Daughter of Madness, Mother of Machines: The Untold Story of Ada Lovelace,** Amazon/Independently Published, 2026



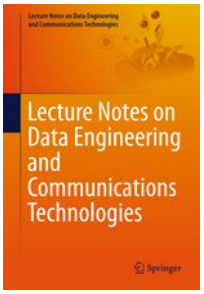
- **Artifial Intelligence for Ordinary People**, Gothenburg Press, (in Persian), 2025.



- **Mobile Autonomous Robots: Concepts and Algorithms,** (in Persian), Sharif University of Technology's Scientific Publications Institute, 2021.



- **Alan Turing, the Father of Artificial Intelligence and Present Day Computers**, Gothenburg Press, (in Persian), 2021.



- **Proceedings of the International Conference on Contemporary**
- **Issues in Data Science**, Series title: Lecture Notes on Data Engineering and Communications Technologies Editors: Mahdi Bohlouli, Bahram Sadeghi Bigham, Zaha Narimani, Mahdi Vasighi, Ebrahim Ansari, Springer, 2019.



- **Proceedings of the Third International Conference on Contemporary Issues in Computer and Information Sciences**
- (CICIS 2012), Bahram Sadeghi Bigham (editor), BrownWalker
- Press (USA), 2012.

Translation (to Persian):

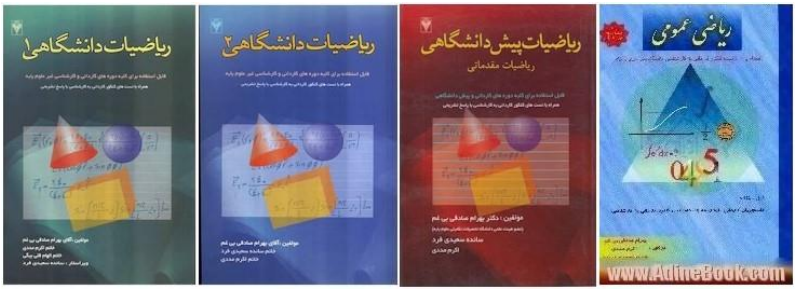
Honorable Mention for Iran's 2024 Book of the Year in Mathematical Sciences





- **Computational Geometry - Algorithms and Applications (1)**. Mark de Berg, Otfried Cheong, Marc van Kreveld, and Mark Overmars, Springer-Verlag, third edition, 2008
- **Computational Geometry - Algorithms and Applications (2)**.
- Mark de Berg, Otfried Cheong, Marc van Kreveld, and Mark Overmars, Springer-Verlag, third edition, 2008

- **4 books in Mathematics and Calculus**



Book Chapters:

- **Predicting Points of Interest with Social Relations and Geographical-Temporal Information**. Bakhshmand, Simin, Bahram Sadeghi Bigham, and Mahdi Bohlouli. Intelligent Systems Design and Applications: 22nd International Conference on Intelligent Systems Design and Applications (ISDA 2022) Held December 12-14, 2022-Volume 2. Cham: Springer Nature Switzerland, 2023. USA
- **A New Approach for Fingerprint Matching Based on Singular Points Detection**, Rohollah Moosavi Tayebi, Samaneh Mazaheri, Bahram Sadeghi Bigham, 04/2011; DOI:10.1007/978-3-642-19712-3_31, Advanced Electrical and Electronic Engineering, Publisher: Springer-Verlag Berlin Heidelberg, Editors: J. Lee, 2012, Germany

Journal Papers

1. Trust fusion: a weighted multi-perspective framework for ECG anomaly detection in IoMT. Mohammadi, Venus, and Bahram Sadeghi Bigham. Biomedical Signal Processing and Control 131 (2027): 111626.
2. A dynamic neuro-fuzzy approach for pattern classification, E Veisi, B Sadeghi Bigham, M Vasighi, Computational Methods for Differential Equations, 2026
3. Beamforming design via complex quadratic double–ratio minimax optimization: theory and algorithms. Zare, Arezu, and Bahram Sadeghi Bigham. Journal of Applied Mathematics and Computing 72.1 (2026): 37.
4. A graph-based knowledge distillation framework for drug repurposing via multi-task learning, Alaeddini, Zahra, Parham Moradi, and Bahram Sadeghi Bigham. Engineering Applications of Artificial Intelligence 162 (2025): 112752.
5. Enhanced multi-task learning using optimization methods, Bazikar, Fatemeh, Bahram Sadeghi Bigham, and Hossein Moosaei. International Journal of Data Science and Analytics (2025): 1-22.
6. MODIFIED NEWTON'S METHOD FOR SOLVING PARAMETRIC v-SUPPORT VECTOR REGRESSION WITH UNIVERSUM DATA, Fatemeh Bazikar, B Sadeghi Bigham, Atefeh Hemmati, Computational Methods for Differential Equations, 2025
7. TSLS and TSLSU: Two Novel Approximation SINR-Based Shortest Link Scheduling Algorithms in Wireless Networks, N. Mohammadi, B. S. Bigham and M. Kadivar, in IEEE Transactions on Vehicular Technology, doi: 10.1109/TVT.2025.3585916.
8. Reducing the clustering challenge in the IoT using two disjoint convex hulls, Li, H., Sadeghi Bigham, B., Gheisari, M. et al. Sci Rep 15, 17200 (2025). https://doi.org/10.1038/s41598-025-88932-2

9. A DYNAMIC NEURO-FUZZY APPROACH FOR PATTERN CLASSIFICATION, Erfan Veisi, Bahram Sadeghi Bigham, and Mehdi Vasighi, Computational Methods for Differential Equations, 2025
10. A More Accurate Metaheuristic Approach for the Art Gallery Problem. Bigham, Bahram Sadeghi, et al. Contemporary Mathematics (2025): 2493-2507.
11. On the efficiency of the algorithm for solving complex quadratic double–ratio minimax optimization problem, Arezu Zare and Bahram Sadeghi Bigham, Computational Methods for Differential Equations, 2025
12. PDSLS: An approximation SINR-based Shortest Link Scheduling algorithm with power control. Mohammadi, Neda, Bahram Sadeghi Bigham, and Mehdi Kadivar."Computer Communications (2025): 108137.
13. Supplier selection utilizing AHP and TOPSIS in a fuzzy environment based on KPIs. Safavi, Asal, Bahram Sadeghi Bigham, and Mazyar Zahedi-Seresht Contemporary Mathematics 9.1 (2025): 574-593.
14. Tiling Rectangles and the Plane Using Squares of Integral Sides, B. Sadeghi Bigham, M. Davoodi Monfared, S. Mazaheri and J. Kheyrabadi, Mathematics 2024 Vol. 12 Issue 7, DOI: 10.3390/math12071027, https://www.mdpi.com/2227-7390/12/7/1027
15. Oil Production Optimization Using Q-Learning Approach, Zahedi-Seresht, Mazyar, et al. Processes 12.1 (2024): 110.
16. Bi-objective sales planning using machine learning for industrial valves." Bigham, Bahram Sadeghi, et al. ", Computational Mathematics and its Applications 1.1 (2023): 001-008.
17. Optimal Robot Pose Estimation Using Scan Matching by Turning Function, B. Sadeghi Bigham, O. Abbaszadeh, M. Zahedi-Seresht, S. Khosravi and E. Zarezadeh, Mathematics 2023 Vol. 11 Issue 6 , DOI: 10.3390/math11061449
18. Fingerprint matching using the onion peeling approach and turning function, N. Padkan, B. S. Bigham and M. R. Faraji, Gene Expr Patterns 2023 Vol. 47 Pages 119299, Accession Number: 36513184 DOI: 10.1016/j.gep.2022.119299
19. An Agile Privacy-Preservation Solution for IoT-Based Smart City Using Different Distributions, M. Gheisari, E. Shojaeian, A. Javadpour, A. Jalili, H. Esmaeili-Najafabadi, B. S. Bigham, et al., IEEE Open Journal of Vehicular Technology 2023 Vol. 4 Pages 356-362, DOI: 10.1109/ojvt.2023.3243226
20. Lower Bound for Sculpture Garden Problem: Localization of IoT Devices, M. Eskandari, B. Sadeghi Bigham and M. Zahedi-Seresht, Applied Sciences 2023 Vol. 13 Issue 4 , DOI: 10.3390/app13042597
21. Red–Blue k-Center Clustering with Distance Constraints, M. Eskandari, B. B. Khare, N. Kumar and B. Sadeghi Bigham, Mathematics 2023 Vol. 11 Issue 3 , DOI: 10.3390/math11030748
22. A novel buffering fault-tolerance approach for network on chip (NoC). Nima Jafarzadeh,Ahmad Jalili,Jafar A. Alzubi,Khosro Rezaee,Yang Liu,Mehdi Gheisari,Bahram Sadeghi Bigham,Amir Javadpour, IET Circuits, Devices & Systems, 2022.
23. Minimum constraint removal problem for line segments is NP-hard. B. S. Bigham, Discrete Mathematics, Algorithms and Applications 2022 Vol. 15 Issue 01
24. Minimum landmarks for robot localization in orthogonal environments, B. Sadeghi Bigham, S. Dolatikalan· A. Khastan, Evolutionary Intelligence, 2021,
25. https://doi.org/10.1007/s12065-021-00616-8
26. Automatic Suspicions Lesions Segmentation based on Variable-Size Windows in Mammography Images, Bahram Sadeghi , Meysam Karimi , Samaneh Mazaheri, Health and Technology 11.1 (2021): 99-110.

27. GSR: geometrical scan registration algorithm for robust and fast robot pose estimation, F Shamsfakhr, BS Bigham, Assembly Automation, 2020.
28. Polar Diagram of Points with Moving Pole, Sadeghi Bigham B. and Rabbani F., Journal of Information and Telecommunication Technology, 41.41 (2020): 97.
29. A polynomial time algorithm for big data in a special case of minimum constraint removal problem, Sadeghi Bigham, B., Noorizadeh, F., Khodayifar, S. Evolutionary Intelligence, Volume 13, Issue 2, 1 June 2020, Pages 247-254
30. Measuring similarity for query in geometric data, BS Bigham, RA Langroudi, SN Applied Sciences 1 (10), 1193, 2019
31. Selecting Smart Strategies Based on Big Data Techniques and SPACE Matrix (FASE model), Mohammad Ali FARAJIAN , Shahriar MOHAMMADI, Bahram SADEGHI BIGHAM, Farhad SHAMS, Cumhuriyet Science Journal, Year 2019, Volume 40 , Issue 1, Pages 253 – 264
32. Indoor mobile robot localization in dynamic and cluttered environments using artificial landmarks, Shamsfakhr, F. Sadeghi Bigham, B. Mohammadi, A. Engineering Computations (Swansea, Wales), Volume 36, Issue 2, 11 March 2019, Pages 400-419
33. A Survey on Measurement Metrics for Shape Matching based on Similarity, Scaling and Spatial Distance, B. Sadeghi Bigham and Samaneh MAzaheri, A book Chapter in "Proceedings of the International Conference on Contemporary Issues in Data Science, Series title: Lecture Notes on Data Engineering and Communications Technologies, Springer, 2019.
34. Extra: Expertise-boosted model for trust-based recommendation system based on supervised random walk, Moghaddam, F. B., Bigham, B. S. Computing and Informatics, Volume 37, Issue 5, November 2018, Pages 1209-1230
35. Soccer Goalkeeper Task Modeling and Analysis by Petri Nets, Azadeh Gholami, Bahram Sadeghi Bigham, Journal of Computer & Robotics 11 (1), 2018 77-85
36. A multi-objective market-driven framework for power matching in the smart grid, AG Azar, M Afsharchi, M Davoodi, BS Bigham, Engineering Applications of Artificial Intelligence 70, 199-215, 2018
37. A learned soccer goalkeeper petri net model , Azadeh Gholami, Bahram Sadeghi Bigham, 2017 Artificial Intelligence and Robotics (IRANOPEN), IEEE, 102-108
38. A new image mining approach for detecting micro-calcification in digital mammograms, F. Moradkhani and B. Sadeghi Bigham, UAAI: Applied Artificial Intelligence, 31 (3), 411-424 | DOI: 10.1080/08839514.2017.1378082, 2017
39. A neural network approach to navigation of a mobile robot and obstacle avoidance in dynamic and unknown environments, F SHAMSFAKHR, BS BIGHAM, Turkish Journal of Electrical Engineering & Computer Sciences 25 (3),2017, 1629-1642
40. Over-sampling via under-sampling in strongly imbalanced data, R. Jamili O., B. Sadeghi Bigham, International Journal of Advanced Intelligence Paradigms, Vol 9 (1), 2017, 58-66
41. Adaptive Data Hiding Using Pixel-Value-Differencing and LSB Substitution, M. Khodaei, B. Sadeghi Bigham, K. Faez, Cybernetics and Systems journal, Volume 47, Issue 8, 16 November 2016, Pages 617-628
42. The Effect of some Genetic Mutations on Endometriosis Using Data Mining Techniques, Bahrami L. Sadeghi Bigham B. , Kamali K., The Journal of Zanjan University of Medical Sciences, Vol. 24, No 105, 2016,: 97-106
43. Design, Implementation and Evaluation of Multi-terminal Binary Decision Diagram based Binary Fuzzy Relations, Hamid Alavi Tousi, Bahram Sadeghi Bigham, Journal of Information Systems and Telecommunication, Vol. 4, No 2, 2016: 117-124

44. ROAD ACCIDENT DATA ANALYSIS: A DATA MINING APPROACH , Farzaneh Moradkhani, Bahram Sadeghi Bigham, Somaye Ebrahimkhani, Indian Journal of Scientific Research 05/2014; 3(3):437443.
45. The Complex Case of Online Privacy for Iranian Users of Social Networks, Arash Shaghaghi, Bahram Sadeghi Bigham, International Journal of Computer & Information Technologies (IJOCIT), 2014,2(2), 426-440
46. Using Voronoi Diagrams to Solve a hybrid Facility Location Problem with attentive Facilities, A. Didandeh, B. Sadeghi Bigham, M. Khosravian, F. Bakhshandegan, Information Sciences , Volume 234, 10 June 2013, Pages 203-216
47. A combinatorial cooperative-tabu search feature reduction approach, E. Ansari, M.H. Sadreddin, B. Sadeghi Bigham, F. Alimardani, Scientia Iranica , Volume 20, Issue 3, June 2013, Pages 657-662
48. Ten Steps for Software Quality Rating Considering ISO/IEC , Bahram Sadeghi Bigham, Hassan Alizadeh, Hossein Afsari, Journal of Information Systems and Telecommunication. 09/2013; 1(3):191-195.
49. Tiling a Rectangular Area Using a Set of Unique Squares , Jalal Khairabadi, Bahram Sadeghi Bigham, Rebvar Hosseini, Zohreh Mohammad Alizadeh, International Journal of Computer & Information Technologies (IJOCIT). 11/2013; 1(2):97-105.
50. Computer Assisted Assessment (CAA) and Electronic Problem Based Learning, Mohammad Jafarabadi Ashtiani, Mansoor Nomanof, Bahram Sadeghi Bigham, Akram Madadi, Life Science Journal, Volume 10, Issue 1, March 2013, Pages 726-730
51. Near-pole polar diagram of objects and duality, Bahram Sadeghi Bigham, Marzieh Eskandari, Maryam Tahmasbi, Journal of Computer Science, Volume 3, Issue 3, May 2012, Pages 127-131
52. Computer as Mathematics Facilitator in Problem Based Learning, Jafarabadi Ashtian, Nomanof, Sadeghi Bigham, Journal of American Science. 01/2012; 8(9):436-441.
53. The one-round weighted Voronoi Game, Zeinab Hassani, Bahram Sadeghi Bighamb, Marzieh Eskandaric, AWERProcedia Information Technology & Computer Science. 01/2012
54. Good's history and trust in electronic commerce. Parvin Abbasi, Bahram Sadeghi Bigham, Saeed Sarencheh, Procedia CS. Volume 3, 2011, Pages 827-832
55. An applicable master plan to develop city's information technology infrastructure., Saeed Sarencheh, Bahram Sadeghi Bigham , Procedia CS. 01/2011; 3:840-847.
56. Fingerprint Matching Using an Onion Layer Algorithm of Computational Geometry Based on Level 3 Features, Samaneh Mazaheri, Bahram Sadeghi Bigham, Rohollah Moosavi Tayebi, Part of the Communications in Computer and Information Science book series (CCIS, volume 166), 2011, pp 302-314.
57. On the Number of Guards in Sculpture Garden Problem, M. Eskandari, A. Mohades, B. Sadeghi Bigham , World Applied Sciences Journal. 01/2010; 10(10):1255-1263.
58. Near Pole Polar Diagram of points and its Duality with Applications, Bahram Sadeghi Bigham Ali Mohades, Basic Science and Applied Engineering. 01/2010; 20(70-E):79-84.
59. Dynamic polar diagram. Bahram Sadeghi Bigham, Ali Mohades, Lidia M. Ortega, Inf. Process. Lett. Volume 109, Issue 2, 31 December 2008, Pages 142-146.
60. Polar Diagram with respect to a Near Pole, Bahram Sadeghi Bigham, Ali Mohades, 23rd European Workshop on Computational Geometry EWCG07, 2007, 206-209.

Conference Papers

1. Mathematical Modeling: a Bridge to the future of AI, Nameh-ye Oloum-e Payeh (Journal of Basic Sciences), No. 11, pp 99-106, 2024.

2. Improving Breast Cancer Prognosis via Multi-Gene Machine Learning Model, Fatemeh Azizi, Bahram Sadeghi Bigham and Mahnoobeh Zarrabi, International Conference of Machine Learning and Knoledge Discovery (MLKD 2024), pp 139-145, Amirkabir University of Technology.
3. Re-evaluation and Validation of Graph Neural Network for Predicting Drug-Target Binding Affinity, Kowsar Ghomi, and Bahram Sadeghi Bigham, International Conference of Machine Learning and Knoledge Discovery (MLKD 2024), pp 85-92, Amirkabir University of Technology.
4. A Diamond-based approximation algorithm for the shortest link scheduling in wireless networks under SINR model. Mohammadi, Neda, and Bahram Sadeghi Bigham. 2024 8th International Conference on Smart Cities, Internet of Things and Applications (SCIoT). IEEE, 2024.
5. Advanced Automated Tagging for Stack Overflow: A Multi-Stage Approach Using Deep Learning and NLP Techniques, Chehreh, Isun, Ebrahim Ansari, and Bahram Sadeghi Bigham. 2024 20th CSI International Symposium on Artificial Intelligence and Signal Processing (AISP). IEEE, 2024.
6. ADVANCED MULTI-TASK TWIN SUPPORT VECTOR MACHINE WITH UNIVERSUM DATA FOR MEDICAL ANALYSIS, FATEMEH BAZIKAR, BAHRAM SADEGHI BIGHAM , AND HOSSEIN MOOSAEI, 54th Annual Iranian Mathematics Conference, Zanjan, Iran (23-25 August 2023)
7. Sadighi Beigham, B.. A closer look at the Turing Test in the world of Artificial Intelligence. Nameh-ye Oloum-e Payeh (Journal of Basic Sciences), No. 9, pp. 121–125, 2023.
8. Predicting Points of Interest with Social Relations and Geographical-Temporal Information, Simin Bakhshmand, Bahram Sadeghi Bigham, Mahdi Bohlouli, In: Intelligent Systems Design and Applications, 2023 , DOI 10.1007/978-3-031-27440-4_53
9. A new Heuristic approach for Art Gallery problem, 3rd Iran National Informatic Conference, Bahram Sadeghi Bigham, Sahar Badri and Nazanin Padkan, 2021.
10. Measurement Metrics Review for Shapes Matching based on Similarity, Scaling and Spatial Distance, Bahram Sadeghi Bigham and, Samaneh Mazaheri, 5th international conference on Contemporary issues in Data Science (CiDaS 2019), book chapter in Lecture Notes on Data Engineering and Communications Technologies.
11. Extracting an English-Persian Parallel Corpus from Comparable Corpora. Akbar Karimi, Ebrahim, Ansari, Bahram Sadeghi Bigham, Eleventh International Conference on Language Resources and Evaluation, LREC 2018 - 11th International Conference on Language Resources and Evaluation2019, Pages 3477-3482
12. Kinetic Nearest Neighbor Search in Black-Box Model, Bahram SadeghiBigham, Maryam Nezami and Marziyeh Eskandari, Iranian Conference on Computational Geometry (ICCG 2018), 63-66, Tehran, Iran, February 27, 2018
13. A learned soccer goalkeeper Petri net model, Gholami, Bigham, B.S, 7th Conference on Artificial Intelligence and Robotics, IRANOPEN 201723 June 2017, Article number 7956451, Pages 102-108.
14. one round voronoi game on grids, Rebvar Hosseini, Mehdi Khosravian, Mansoor Davoodi, Bahram Sadeghi Bigham, 32nd European Workshop on Computational Geometry, 2016, Lugano, Switzerland.
15. Minimum Constraint (Unit Axis Aligned Squares) Removal in Robot Motion Planning, f.noorizadeh, b_sadeghi_b, s.khodayifar, 3rd Conference on Recent Innovations in Electrical and Computer Engineering (ICEEC), 2016
16. A Greedy Agent-Based Resource Allocation in the Smart Electricity Markets, Armin Ghasem Azar, Mansoor Davoodi, Mohsen Afsharchi, Bahram Sadeghi Bigham, IFIP Advances in Information and Communication TechnologyVolume 436, 2014, Pages 150-161

17. The Use of Social Network Tools in Iran and the Impact of Improper Communication and Trancparency of Informatio Security and Privacy, Arash Shaghaghi, Bahram Sadeghi Bigham, International Conferance CITaDIM, 2013
18. Privacy in the Age of Smartphone A Study of Iranian User's Standard and Habits, Arash Shaghaghi, Bahram Sadeghi Bigham, International Conferance CITaDIM, 2013.
19. J2ME And Mobile Database Design, Seyed Rebvar Hosseini, Lida Ahmadi, Bahram Sadeghi Bigham, Jalal Khairabadi, Armin Ghasem Azar, The Third International Conference on Contemporary Issues in Computer and Information Sciences, 2012
20. Selection of Effective Factors in Estimating of Costumers respond to Mobile Advertising by using AHP, Mehdi Seyyed Hamzeh, Bahram Sadeghi Bigham, Reza Askari Moghadam, In 3th Conference of CICIS2012, 2012
21. Using Fuzzy Classification System for Diagnoses of Breast Cancer, Maryam Sadat Mahmoodi, Bahram Sadeghi Bigham, Adel Najafi, This paper is presented at In 3th Conference of CICIS2012, 2012
22. Tiling Finite Planes, Khairabadi, Sadeghi Bigham, Hosseini, Mohammad Alizadeh, The Third International Conference on Contemporary Issues in Computer and Information Sciences, 2012, 528-531
23. Solving Dominating Set Problem In Unit Disk Graphs By Genetic Algorithms, Azadeh Gholami, Mahmoud Shirazi, Bahram Sadeghi Bigham, Contemporary Issues in Computer and Information Sciences (CICIS 2012); 05/2012 , 498-503
24. A new fingerprint matching approach using level 2 and level 3 features. Rohollah Moosavi Tayebi, Samaneh Mazaheri, Bahram Sadeghi Bigham, Fourth International C* Conference on Computer Science & Software Engineering, C3S2E 2011, Montreal, Quebec, Canada, May 16-18, 2011, Proceedings; 01/2011, Pages 73-81.
25. Musical Instrumrnt Recognition Using Artificial Neural Network, Mahmoud Shirazi, Alireza Khanteimoori, Bsahram Sadeghi Bigham, The Second International Conference on Contemporary Issues in Computer and Information Sciences, 2011
26. Fingerprint Matching Using an Onion Layer Algorithm of Computational Geometry Based on Level 3 Features. Samaneh Mazaheri, Bahram Sadeghi Bigham, Rohollah Moosavi Tayebi, Digital Information and Communication Technology and Its Applications International Conference, Volume 166 CCIS, Issue PART 1, 2011, Pages 302-314
27. Forum's Information Extraction Algorithms, Saeed Sarencheh, Bahram Sadeghi Bigham, Vidiasagar Potdar, Bahman Ghandchi, Nazanin Firoozeh, Elham A. Yegane, First Meeting on "Contemporary Issues in Computer and Information Science, 2010, Page10-13.
28. Optimal Triangulation Using an Evolutionary Algorithm, Malihe Jahani , Bahram Sadeghi Bigham ; Abbas Askari, Proceedings - 2010 10th International Conference on Computational Science and Its Applications, ICCSA 20102010, Pages 81-85
29. An ant colony algorithm for the minimum weight triangulation, Jahani, M. Bigham, B. S. Askari, A, Proceedings - 2010 10th International Conference on Computational Science and Its Applications, ICCSA 20102010, Pages 81-85
30. An optimal solution for dynamic polar diagram, Ehsanfar, E. Bigham, B. S. Madadi, N. Proceedings of the 22nd Annual Canadian Conference on Computational Geometry, CCCG 20102010, Pages 51-54
31. Phishing guard and antivirus: A new approach, Sadeghi Bigham, B. Chernin, S. Madadi, A. Madadi, N. Tavajoh, P. Proceedings of the 2008 International Conference on Security and Management, SAM 20082008, Pages 309-312

32. Data Encryption Based On Protein Synthesis. Seyed Reza Alisobhani, Ferial Mehrabanpoor, Yaser Nosrati, Bahram Sadeghi Bigham, Proceedings of the 2008 International Conference on Genetic and Evolutionary Methods, GEM 20082008, Pages 278-283
33. Solving semantic problems in" chaff and winnowing" by using cryptography, Mohamadrezaei, S. Bigham, B. S. Proceedings of The 2007 International Conference on Security and Management, SAM'072007, Pages 152-156
34. Applications of Chaos Model in Software Development Process. Elnaz Bigdeli, Zeinab Bahmani, Bahram Sadeghi Bigham, Proceedings of the 2007 International Conference on Software Engineering Research & Practice, SERP 2007, Volume I, June 25-28, 2007, Las Vegas Nevada, USA; 01/2007