

# Bahram Sadeghi Bigham

2024/01/20, 1402/12/1

## Current Position

- Associate Professor, Department of Computer Science, Faculty of Mathematical Sciences, Alzahra University, Tehran, Iran.



## 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](mailto:b_sadeghi_b@alzahra.ac.ir)    Second email: [b.sadeghi.b \[ @ \] gmail.com](mailto:b.sadeghi.b@gmail.com)

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

Google scholar: [https://scholar.google.com/citations?user=Lvgi\\_zoAAAAJ&hl=en](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](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
- Computational Complexity and Graph Theory
- Data Science, Data Mining
- Similarity Measures
- Industrial/Medical Applications of AI

## 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
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
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	11 <sup>th</sup> Winter School on Computational Geometry Amirkabir univ. (International)
2018	Invited Speaker	10 <sup>th</sup> Winter School on Computational Geometry Amirkabir univ. (International)
2017	Invited Speaker	Department of Computer Science, Tarbiyat Modarres univ.
2017	Invited Speaker	9 <sup>th</sup> Winter School on Computational Geometry Amirkabir univ. (International)
2016	Invited Speaker	4 <sup>th</sup> Conference on Computer Science New Topics (Alzahra Univ.): Robotics and Geometry
2016	Instructor (Short Course)	Seljuk Univ. (Turkey): Computational Geometry
2015	Invited Speaker	7 <sup>th</sup> Winter School on Computational Geometry Amirkabir univ.. (International)
2014	Invited Speaker	6 <sup>th</sup> Winter School on Computational Geometry Amirkabir univ.. (International)
2014	Invited Speaker	2 <sup>th</sup> Conference on Computer Science New Topics (Alzahra Univ.): Robot Motion Planning
2013	Invited Speaker	5 <sup>th</sup> Winter School on Computational Geometry Amirkabir univ.. (International)
2013	Invited Speaker	1 <sup>st</sup> Conference on Computer Science New Topics (Alzahra Univ.): From Computer Science to Society
2011	Invited Speaker	3 <sup>rd</sup> Winter School on Computational Geometry
2012	Invited Speaker	4 <sup>th</sup> Winter School on Computational Geometry Amirkabir univ. (International)
2012	Invited Speaker	4 <sup>th</sup> Winter School on Computational Geometry Amirkabir univ. (International)

## Services

Year	Designation	Conference
2022	Scientific committee	13th International Conference on Information and Knowledge Technology (IKT)
2022	Scientific Committee	CSE2022 Conference, Data Science (Shahr e Kord Univ.)
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 Univ., Tehran)
2014	Scientific Committee	CSCCIT Conference (Tabriz Univ.)
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
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:

- 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):

- **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



## 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. Oil Production Optimization Using Q-Learning Approach, Zahedi-Seresht, Mazyar, et al. *Processes* 12.1 (2024): 110.
2. 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.
3. [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
4. [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
5. [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
6. [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
7. [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
8. [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.
9. [Minimum constraint removal problem for line segments is NP-hard](#). B. S. Bigham, *Discrete Mathematics, Algorithms and Applications* 2022 Vol. 15 Issue 01
10. [Minimum landmarks for robot localization in orthogonal environments](#), B. Sadeghi Bigham, S. Dolatikalan, A. Khastan, *Evolutionary Intelligence*, 2021, <https://doi.org/10.1007/s12065-021-00616-8>

11. Automatic Suspicious Lesions Segmentation based on Variable-Size Windows in Mammography Images, Bahram Sadeghi , Meysam Karimi , Samaneh Mazaheri, *Health and Technology* 11.1 (2021): 99-110.
12. GSR: geometrical scan registration algorithm for robust and fast robot pose estimation, F Shamsfakhr, BS Bigham, *Assembly Automation*, 2020.
13. Polar Diagram of Points with Moving Pole, Sadeghi Bigham B. and Rabbani F., *Journal of Information and Telecommunication Technology*, 41.41 (2020): 97.
14. A polynomial time algorithm for big data in a special case of minimum constraint removal problem, Sadeghi Bigham, B., Noorzadeh, F., Khodayifar, S. *Evolutionary Intelligence*, Volume 13, Issue 2, 1 June 2020, Pages 247-254
15. Measuring similarity for query in geometric data, BS Bigham, RA Langroudi, *SN Applied Sciences* 1 (10), 1193, 2019
16. 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
17. 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
18. 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.
19. 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
20. Soccer Goalkeeper Task Modeling and Analysis by Petri Nets, Azadeh Gholami, Bahram Sadeghi Bigham, *Journal of Computer & Robotics* 11 (1), 2018 77-85
21. 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
22. A learned soccer goalkeeper petri net model , Azadeh Gholami, Bahram Sadeghi Bigham, *2017 Artificial Intelligence and Robotics (IRANOPEN)*, IEEE, 102-108
23. 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
24. 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
25. 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

26. 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
27. The Effect of some Genetic Mutations on Endometriosis Using Data Mining Techniques, Bahram L. Sadeghi Bigham B. , Kamali K., *The Journal of Zanjan University of Medical Sciences*, Vol. 24, No 105, 2016,: 97-106
28. 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
29. 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.
30. The Complex Case of Online Privacy for Iranian Users of Social Networks, Arash Shaghghi, Bahram Sadeghi Bigham, *International Journal of Computer & Information Technologies (IJOCIT)*, 2014,2(2), 426-440
31. 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
32. 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
33. 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.
34. Tiling a Rectangular Area Using a Set of Unique Squares , Jalal Khairabadi, Bahram Sadeghi Bigham, Rebar Hosseini, Zohreh Mohammad Alizadeh, *International Journal of Computer & Information Technologies (IJOCIT)*. 11/2013; 1(2):97-105.
35. 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
36. 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
37. Computer as Mathematics Facilitator in Problem Based Learning, Jafarabadi Ashtian, Nomanof, Sadeghi Bigham, *Journal of American Science*. 01/2012; 8(9):436-441.
38. The one-round weighted Voronoi Game, Zeinab Hassani, Bahram Sadeghi Bigham, Marzieh Eskandari, *AWERProcedia Information Technology & Computer Science*. 01/2012
39. Good's history and trust in electronic commerce. Parvin Abbasi, Bahram Sadeghi Bigham, Saeed Sarencheh, *Procedia CS*. Volume 3, 2011, Pages 827-832
40. An applicable master plan to develop city's information technology infrastructure., Saeed Sarencheh, Bahram Sadeghi Bigham , *Procedia CS*. 01/2011; 3:840-847.
41. 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.

42. 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.
43. 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.
44. Dynamic polar diagram. Bahram Sadeghi Bigham, Ali Mohades, Lidia M. Ortega, Inf. Process. Lett. Volume 109, Issue 2, 31 December 2008, Pages 142-146.
45. 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. 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)
2. Predicting Points of Interest With Social Relations And Geographical-Temporal Information, Simin Bakhshmand, Bahram Sadeghi Bigham, and Mahdi Bohlouli, 22nd Intelligent System Design and Applications (ISDA '22), Auburn, Washington, USA
3. A new Heuristic approach for Art Gallery problem, 3rd Iran National Informatic Conference, Bahram Sadeghi Bigham, Sahar Badri and Nazanin Padkan, 2021.
4. 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.
5. 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 Evaluation 2019, Pages 3477-3482
6. Kinetic Nearest Neighbor Search in Black-Box Model, Bahram Sadeghi Bigham, Maryam Nezami and Marziyeh Eskandari, Iranian Conference on Computational Geometry (ICCG 2018), 63-66, Tehran, Iran, February 27, 2018
7. A learned soccer goalkeeper Petri net model, Gholami, Bigham, B.S, 7th Conference on Artificial Intelligence and Robotics, IRANOPEN 2017 June 2017, Article number 7956451, Pages 102-108.
8. one round voronoi game on grids, Rebvar Hosseini, Mehdi Khosravian, Mansoor Davoodi, Bahram Sadeghi Bigham, 32nd European Workshop on Computational Geometry, 2016, Lugano, Switzerland.



9. 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
10. 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 Technology Volume 436, 2014, Pages 150-161
11. The Use of Social Network Tools in Iran and the Impact of Improper Communication and Transparency of Information Security and Privacy, Arash Shaghaghi, Bahram Sadeghi Bigham, International Conference CITaDIM, 2013
12. Privacy in the Age of Smartphone A Study of Iranian User's Standard and Habits, Arash Shaghaghi, Bahram Sadeghi Bigham, International Conference CITaDIM, 2013.
13. J2ME And Mobile Database Design, Seyed Rebar Hosseini, Lida Ahmadi, Bahram Sadeghi Bigham, Jalal Khairabadi, Armin Ghasem Azar, The Third International Conference on Contemporary Issues in Computer and Information Sciences, 2012
14. Selection of Effective Factors in Estimating of Customers respond to Mobile Advertising by using AHP, Mehdi Seyyed Hamzeh, Bahram Sadeghi Bigham, Reza Askari Moghadam, In 3th Conference of CICIS2012, 2012
15. 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
16. Tiling Finite Planes, Khairabadi, Sadeghi Bigham, Hosseini, Mohammad Alizadeh, The Third International Conference on Contemporary Issues in Computer and Information Sciences, 2012, 528-531
17. 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
18. 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.
19. Musical Instrument Recognition Using Artificial Neural Network, Mahmoud Shirazi, Alireza Khanteimoori, Bahram Sadeghi Bigham, The Second International Conference on Contemporary Issues in Computer and Information Sciences, 2011
20. 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
21. Forum's Information Extraction Algorithms, Saeed Sarencheh, Bahram Sadeghi Bigham, Vidasagar Potdar, Bahman Ghandchi, Nazanin Firoozeh, Elham A. Yegane, First Meeting on "Contemporary Issues in Computer and Information Science, 2010, Page10-13.

22. 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
23. 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
24. 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
25. 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
26. 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
27. Solving semantic problems in" chaff and winnowing" by using cryptography, Mohamadrezai, S. Bigham, B. S. Proceedings of The 2007 International Conference on Security and Management, SAM'072007, Pages 152-156
28. 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