



**Faculty of Electrical and Computer Engineering
Tarbiat Modares University**

Curriculum Vita

**Mohammad
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Educational History

Degree	B.S.	M.S.	Ph.D.
Start	Sep. 1997	Sep. 2001	Sep. 2003
Graduate	Jul. 2001	Mar. 2003	Feb. 2008
Major	Computer Engineering (Software)	Artificial Intelligence and Robotics	Artificial Intelligence and Robotics
Location	Isfahan University of Technology	Iran University of Science and Technology	Sharif University of Technology

Honorifics

1. Member of Iranian Excellent Talents Organization.
2. Winner of Outstanding Ph.D. student scholarship from 2003 to 2007.
3. Top student in M.S. and Ph.D. degrees.

Publications

Patents

1. R. Alizadeh Sani, **M. Saniee Abadeh**, S. M. Hosseyni, Z. Alizadeh Sani, “The System of Patient Need for Angiography”, Patent No. 77131, October, 2012.

Books

1. **M. Saniee Abadeh**, Z. Jabalamelian, “Evolutionary Algorithms and Bio-Inspired Computing”, 312 pages, Niaz Danesh Inc., 2013.
2. **M. Saniee Abadeh**, S. Mahmoudi, M. Taherparvar, “Applied Data Mining”, 520 pages, Niaz Danesh Inc., 2012.
3. F. Ghareh Mohammadi Mohammadi, **M. Saniee Abadeh**, “A Survey of Data Mining Techniques for Steganalysis ”, Recent Advances in steganography, 11/2012: chapter one: pages 1-22; Intech., ISBN: 978-953-51-0840-5, 2012

Journals

1. W. Ibrahim, and **M. Saniee Abadeh**, “Protein fold recognition using Deep Kernelized Extreme Learning Machine and linear discriminant analysis”, Neural Computing and Applications, Springer, In Press, 2018.
2. H. Keshavarz, and **M. Saniee Abadeh**, “Accurate frequency-based lexicon generation for opinion mining”, Journal of Intelligent & Fuzzy Systems, Vol. 33, pp. 2223–2234, 2017.
3. W. Ibrahim, and **M. Saniee Abadeh**, “Extracting features from protein sequences to improve deep extreme learning machine for protein fold recognition”, Journal of Theoretical Biology, Elsevier Science, Vol. 421, pp. 1-15, May 2017.
4. H. Keshavarz, and **M. Saniee Abadeh**, “ALGA: Adaptive lexicon learning using genetic algorithm for sentiment analysis of microblogs”, Knowledge-Based Systems, Elsevier Science, Vol. 122, pp 1-16, April 2017.
5. R. Esmaeili Naftchali, and **M. Saniee Abadeh**, “A multi-layered incremental feature selection algorithm for adjuvant chemotherapy effectiveness/futility assessment in non-small cell lung cancer”, Biocybernetics and Biomedical Engineering, Elsevier Science, Vol. 37, pp. 477-488, 2017.
6. A. Mohammadi, and **M. Saniee Abadeh**, “Sifter: An Approach for Robust Fuzzy Rule Set Discovery”, Soft Computing, Springer, Vol. 20, pp. 3303–3319, August 2016.

7. I. Khodadi, and **M. Saniee Abadeh**, “Genetic Programming-based feature learning for Question Answering”, *Information Processing and Management*, Elsevier Science, Vol. 52, March 2016.
8. A. Mohammadi, and **M. Saniee Abadeh**, “Robust, Interpretable and High Quality Fuzzy Rule Set Discovery Using Krill Herd Algorithm”, *Journal of Intelligent & Fuzzy Systems*, Vol. 30, pp. 1601-1612, March 2016.
9. A. Mohammadi, and **M. Saniee Abadeh**, “Robust Medical Data Mining Using a Clustering and Swarm Based Framework”, *International Journal of Data Mining and Bioinformatics*, Vol. 14, 2016.
10. A. Ghasabeh, and **M. Saniee Abadeh**, “Community Detection in Social Networks Using a Hybrid Swarm Intelligence Approach”, *International Journal of Knowledge-Based and Intelligent Engineering Systems*, pp. 255-269, Vol. 19, 2015.
11. M. Almasi, and **M. Saniee Abadeh**, “Rare-PEARs: A new multi objective evolutionary algorithm to mine rare and non-redundant quantitative association rules”, *Knowledge-Based Systems*, Elsevier Science, Vol. 89, November 2015.
12. S. Bahrami, and **M. Saniee Abadeh**, “Automatic image annotation based on two layered visual and semantic clustering”, *Machine Vision and Image Processing Journal*, May 2015.
13. M. Baboli, **M. Saniee Abadeh**, “Financial time series prediction by a hybrid memetic computation-based support vector regression (MA-SVR) method”, *Int. J. Operational Research*, Vol. 23, No. 3, 2015.
14. E. Kamaloo, and **M. Saniee Abadeh**, “Credit Risk Prediction Using Fuzzy Immune Learning”, *Advances in Fuzzy Systems*, Volume 2014 (2014), 12 pages, June 2014.
15. D. Jalal Nouri, **M. Saniee Abadeh**, and F. Ghareh Mohammadi, “HYEI: A New Hybrid Evolutionary Imperialist Competitive Algorithm for Fuzzy Knowledge Discovery”, *Advances in Fuzzy Systems*, Volume 2014 (2014), 9 pages, May 2014.
16. N. Ghadiri Hedeshi, **M. Saniee Abadeh**, “Coronary Artery Disease Detection Using a Fuzzy-Boosting PSO Approach”, *Hindawi Publishing Corporation Computational Intelligence and Neuroscience* Volume 2014, Article ID 783734, pp. 1-13, 2014.
17. A. Zibakhsh, **M. Saniee Abadeh**, “Gene Selection for Cancer Tumor Detection using a Novel Memetic Algorithm with a Multi-View Fitness Function”, *International Scientific Journal Engineering Applications of Artificial Intelligence*, Elsevier Science, 2013.
18. M. Fathi Ganji, **M. Saniee Abadeh**, "A Fuzzy Classification System based on Ant Colony Optimization for Diabetes Disease Diagnosis", *Expert Systems with Applications*, Elsevier Science, pp. 14650–14659, Vol. 38, 2011.
19. F. Ghareh Mohammadi, **M. Saniee Abadeh**, “A New Metaheuristic Feature Subset Selection Approach for Image Steganalysis”, *Journal of Intelligent & Fuzzy Systems*, Vol. 27, pp. 1445–1455, 2014.

20. F. Ghareh Mohammadi, **M. Saniee Abadeh**, "Image steganalysis using a bee colony based feature selection algorithm", Elsevier Science, Engineering Applications of Artificial Intelligence Volume 31, pp. 35–43, 2014.
21. I. Khodadi, **M. Saniee Abadeh**, "A Memetic-Based Approach for Web-Based Question Answering", I. J. Information Technology and Computer Science, 01, 1-3, 2014.
22. S. Ghanadbashi, M. Khanbabaei, **M. Saniee Abadeh**, "Applying data mining techniques to business process reengineering based on simultaneous use of two novel proposed approaches", Int. J. Business Process Integration and Management, Vol. 6, No. 3, 2013.
23. A. Adelpoor, **M. Saniee Abadeh**, "A New Dynamic Distributed Algorithm for Frequent Itemsets Mining", International Journal of Computer Applications (0975 – 8887) Volume 67– No.15, April 2013.
24. S. Kalantari, **M. Saniee Abadeh**, "A Multi-Population Based Frog-Memetic Algorithm for Job Shop Scheduling", Advanced Computing: An International Journal (ACIJ), Vol.3, No.6, November 2012.
25. M. Shakiba Fakhr, **M. Saniee Abadeh**, "AISQA - An Artificial Immune Question Answering System", I. J. Modern Education and Computer Science, pp. 28-34, Volume 3, 2012.
26. M. Shakiba Fakhr, **M. Saniee Abadeh**, "Designing Question Answering System Using Artificial Immune System", International Journal of Computer Application, Issue 2, Volume 2, April 2012.
27. E. Aghaei, **M. Saniee Abadeh**, M. H. Yektaie, "An Adaptive Scheduling System for Computational Grid using Autonomic Computing", International Journal of Computer Applications (0975 – 888), Volume 47– No.13, June 2012.
28. Meysam Shahvali, **M. Saniee Abadeh**, "Hybrid Genetic Algorithms for University Course Timetabling", IJCSI International Journal of Computer Science Issues, Vol. 9, Issue 2, No 2, March 2012.
29. M. Pourvali, **M. Saniee Abadeh**, "Automated Text Summarization Base on Lexicales Chain and graph Using of WordNet and Wikipedia Knowledge Base", IJCSI International Journal of Computer Science Issues, Vol. 9, Issue 1, No 3, January 2012.
30. M. Pourvali, **M. Saniee Abadeh**, "A new graph based text segmentation using Wikipedia for automatic text summarization", (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 3, No. 1, 2012.
31. H. Kasiri, **M. Saniee Abadeh**, H.R Momeni, "Optimal estimation and control of WECS via a Genetic Neuro Fuzzy Approach", Energy, pp. 438-444, Vol. 40, No. 1, February 2012.
32. **M. Saniee Abadeh**, A.R Habibi, "Intrusion Detection System for web applications with attack classification", Journal of Computer Science and Engineering, pp. 1-9, Vol. 9, No. 2, October 2011.
33. **M. Saniee Abadeh**, M. Ala, "Efficient Mining of Association Rules in Oscillatory-based Data", International Journal of Artificial Intelligence and Expert Systems (IJAE), pp. 195-207, Vol. 2, No. 5, October 2011.

34. S. Khazaei, **M. Saniee Abadeh**, "A Hybrid Model Based on Feature Extraction for Network Intrusion Detection", *Journal of Computing*, pp. 65-72, Vol. 3, No. 9, September 2011.
35. **M. Saniee Abadeh**, M Tarafdar, "An Efficient Sampling Algorithm on Data Streams to Improve Closed Frequent Itemsets Mining Algorithms Results", pp. 1-10, *Journal of Computer Science and Engineering*, Vol. 7, No. 2, June 2011.
36. **M. Saniee Abadeh**, H. Mohamadi, J. Habibi, "Design and analysis of genetic fuzzy systems for intrusion detection in computer networks", *Expert Systems with Applications*, Vol. 38, No. 6, pp. 7067–7075, June 2011.
37. A. Abin, F. Mahdisoltani, **M. Saniee Abadeh**, "HiSeg: Unfolding of Segment Hierarchies in Color Images", *The CSI Journal on Computer Science and Engineering*, Vol. 8, No. 2 & 4 (b), pp. 1-13, 2010.
38. **M. Saniee Abadeh**, J. Habibi, "A Hybridization of Evolutionary Fuzzy Systems and Ant Colony Optimization for Intrusion Detection", *ISC International Journal of Information Security*, January 2010.
39. **M. Saniee Abadeh**, J. Habibi and E. Soroush, "Induction of Fuzzy Classification Systems via Evolutionary ACO-Based Algorithms", *International Journal of Simulation Systems, Science & Technology*, Vol. 9, No. 3, September 2008.
40. H. Mohamadi, J. Habibi, **M. Saniee Abadeh**, "Data Mining with a Simulated Annealing based Fuzzy Classification System", *Pattern Recognition, Elsevier Science*, Volume 41, Issue 5, pp. 1841-1850, May 2008.
41. **M. Saniee Abadeh**, J. Habibi, Z. Barzegar, M. Sergi, "A Parallel Genetic Local Search Algorithm for Intrusion Detection in Computer Networks", *International Scientific Journal Engineering Applications of Artificial Intelligence, Elsevier Science*, Volume 20, Issue 8, Pages 1058-1069, December 2007.
42. **M. Saniee Abadeh**, J. Habibi, C. Lucas, "Intrusion Detection Using a Fuzzy Genetics-Based Learning Algorithm", *Journal of Network and Computer Applications, Elsevier Science*, Volume 30, Issue 1, Pages 414-428, January 2007.

Conferences

1. A. Sabri Alvar, **M. Saniee Abadeh**, "Efficient instance selection algorithm for classification based on fuzzy frequent patterns", *CINTI 2016 • 17th IEEE International Symposium on Computational Intelligence and Informatics, Budapest, Hungary*, 17–19 November, pp. 319-324, 2016.
2. S. Bahrami, **M. Saniee Abadeh**, "A Partition-based Clustering Approach for Automatic Image Annotation", *Second international conference on Pattern Recognition and Image Analysis (IPRIA2015)*, - University of Guilan - Rasht-Iran, 11-12 March, 2015.

3. Atiyeh Biyabangard, **M. Saniee Abadeh**, “Word Concept Extraction Using HOSVD for Automatic Text Summarization”, The 7th RoboCup IranOpen International Symposium and the 5th joint conference of AI & Robotics, 12 April, 2015.
4. Atiyeh Biyabangard, **M. Saniee Abadeh**, “Topic Text Summarization based Extraction Method using 3rd-Order Tensor Decomposition”, The 7th RoboCup IranOpen International Symposium and the 5th joint conference of AI & Robotics, 12 April, 2015.
5. S. Hedayati, **M. Saniee Abadeh**, “A Hybrid Meta-heuristic Algorithm based on Memetic-ICA Approaches for Web-Page Classification”, 19th Annual Computer Society of Iran Computer Conference, Tehran, Iran, 3-5 March, 2013.
6. H. Keshavarz-Mohammadian, **M. Saniee Abadeh**, “ASPIRE: Building a Sentiment Lexicon from Ratings of Social Reviews”, Proc. of the Intl. Conf. on Advances In Computing, Electronics and Electrical Technology – CEET, Kuala Lumpur, Malaysia, pp. 189-193, 02 - 03 August, 2014.
7. I. Khodadi, **M. Saniee Abadeh**, “A Memetic-Statistical Approach for Designing Question Answering System”, 19th Annual Computer Society of Iran Computer Conference, Tehran, Iran, 3-5 March, 2013.
8. Elmira Rahmani, **M. Saniee Abadeh**, F. Rezaei, “Stock Price Prediction Using EGARCH Model and Fusion of Neural Network with Culture Algorithms”, 12th Iranian Conference on Intelligent Systems Higher Education Complex of Bam, Bam, Iran, 04-06 February, 2014.
9. N.S. Lari, **M. Saniee Abadeh**, “Training artificial neural network by krill-herd algorithm”, Information Technology and Artificial Intelligence Conference (ITAIC), 2014 IEEE 7th Joint International, Chongqing, China, pp. 63 – 67, 20-21 December, 2014.
10. S. Bahrami, **M. Saniee Abadeh**, “Automatic Image Annotation Using an Evolutionary Algorithm (IAGA), 7th International Symposium on Telecommunications (IST'2014), 2014.
11. F. Ghareh Mohammadi, **M. Saniee Abadeh**, “An Improved Image Steganalysis Using a Novel Feature Selection Algorithm Based on Artificial Bee Colony”, RACR2013 International Conference, Istanbul, Turkey, August 27-29, 2013.
12. D. Jalal Nouri, **M. Saniee Abadeh**, “A Hybrid fuzzy classification system based on ICA–GA for diabetes disease diagnosis”, 13th Iranian Conference of Fuzzy systems, IFSC2013, Tehran, Iran, 27-29 August 2013.
13. D. Jalal Nouri, **M. Saniee Abadeh**, “A Hybridization of ICA–GA based Evolutionary Fuzzy Systems for Cancer Tumor Detection”, 3rd International Conference on Computer and Knowledge Engineering (ICCKE 2013), Mashhad, Iran, November 2013.
14. J. Ebrahimi, **M. Saniee Abadeh**, “Semi Supervised Clustering: A Pareto Approach”, MLDM, volume 7376 of Lecture Notes in Computer Science, pp. 237-251. Springer, Berlin, Germany, 2012.
15. J. Ebrahimi, **M. Saniee Abadeh**, “New Parametric Estimation Method for Graph-based Clustering”, Proceedings of the TextGraphs-7 Workshop at ACL, pages 1–5, Jeju, Republic of Korea, 12 July 2012.

16. J. Ebrahimi, **M. Saniee Abadeh**, "A Hybrid Genetic Algorithm and Coordinate Descent Optimization for Graph Clustering", The 16th CSI International Symposium on Artificial Intelligence and Signal Processing (AISP 2012), Shiraz, Iran 2-3 May 2012.
17. H. Lafzi Ghazi, **M. Saniee Abadeh**, "MEMAR: A New Memetic Algorithm for Learning High Quality Quantitative Association Rules", International Conference on Soft Computing and its Applications (ICSCA'2012), Kuala Lumpur (Malaysia), August 25-26 2012.
18. H. Lafzi Ghazi, **M. Saniee Abadeh**, "Mining fuzzy association rules with 2-tuple linguistic terms in stock market data by using genetic algorithm", The 16th CSI International Symposium on Artificial Intelligence and Signal Processing (AISP 2012), Shiraz, Iran 2-3 May 2012.
19. H. Kasiri, **M. Saniee Abadeh**, H. Momeni, A. R. Motavalian, "Fuzzy Rule Extraction from a Trained Artificial Neural Network using Genetic Algorithm for WECS Control and Parameter Estimation", 2011 Eighth International Conference on Fuzzy Systems and Knowledge Discovery (FSKD), pp. 635-639, China, 2011.
20. N. Ghadiri Hedeshi, **M. Saniee Abadeh**, "An Ensemble PSO-Based Approach for Diagnosis of Coronary Artery Disease", The 2011 CSI International Symposium on Artificial Intelligence and Signal Processing, pp. 87-92, Tehran, Iran, 2011.
21. A. Zibakhsh, **M. Saniee Abadeh**, "Cancer Tumor Detection by Gene Expression Data Exploration Using a Genetic Fuzzy System", Developments in E-systems Engineering, DOI 10.1109/DeSE.2011.46, 2011.
22. A. Zibakhsh, **M. Saniee Abadeh**, "A Fuzzy Classification System based on Memetic Algorithm for Cancer Disease Diagnosis", 18th Iranian Conference on BioMedical Engineering, pp. 14-16, Tehran, Iran, December 2011.
23. N. Ghadiri Hedeshi, **M. Saniee Abadeh**, "An Expert System Working Upon an Ensemble PSO-Based Approach for Diagnosis of Coronary Artery Disease", 18th Iranian Conference on BioMedical Engineering, pp. 14-16, Tehran, Iran, December 2011.
24. S. Tavassoli, **M. Saniee Abadeh**, "Improvement of Lung Cancer Classification Using Random Forrest Classifier", The 3rd National Conference of Computer Engineering and Information Technology, Hamedan, Iran, February 2011.
25. **M. Saniee Abadeh**, M. Tarafdar, "Feature Study of a Sampling Algorithm Over Data Streams for Frequent Item set Mining", The Fourth Iran Data Mining Conference / IDMC 10, Sharif University of Technology, Tehran, Iran, December 2010.
26. S. Tavassoli, **M. Saniee Abadeh**, "An Efficient Method for Improvement of Cancer Classification Integrated Algorithm", In Proceedings of the 5th IEEE International Conference on Information and Automation for Sustainability (ICIAfS), Colombo, Sri Lanka, December 2010.
27. M. Fathi-Ganji, **M. Saniee Abadeh**, M. Hedayati, N. Bakhtiari, "Fuzzy Classification of Imbalanced Data Sets to Medical Diagnosis", 17th Iranian Conference on Biomedical Engineering (ICBME2010), Isfahan, Iran, 3-4 November, 2010.

28. M. Fathi-Ganji, **M. Saniee Abadeh**, "Rule Based Classification System for Medical Data Mining Using Fuzzy Ant Colony Optimization", The World Congress on Engineering and Computer Science 2010 (WCECS2010), San Francisco, USA, 20-22 October, 2010.
29. M. Fathi-Ganji, **M. Saniee Abadeh**, "Parallel Fuzzy Rule Learning Using an ACO-Based Algorithm for Medical Data Mining", International Conference on Bio-Inspired Computing: Theories and Applications (BIC-TA 2010) Changsha, China, September 23 - 26, 2010.
30. E. Kamaloo, **M. Saniee Abadeh**, "An Artificial Immune System for Extracting Fuzzy Rules in Credit Scoring", IEEE World Congress on Computation Intelligence, Barcelona, Spain, July 18-23, 2010.
31. M. Fathi-Ganji, **M. Saniee Abadeh**, "Using fuzzy Ant Colony Optimization for diagnosis of diabetes disease", 18th Iranian Conference on Electrical Engineering (ICEE2010), Isfahan, Iran, May 11-13, 2010.
32. E. Kamaloo, **M. Saniee Abadeh**, "Comprehensible Credit Scoring with Fuzzy Artificial Immune System", 18th Iranian Conference on Electrical Engineering (ICEE2010), Isfahan, Iran, May 11-13, 2010.
33. M. Abdechiri, **M. Saniee Abadeh**, H. Bahrami, "Imperialist Competitive Algorithm with Adaptive Radius of Colonies movement", 18th Iranian Conference on Electrical Engineering (ICEE2010), Isfahan, Iran, May 11-13, 2010.
34. M. Fathi-Ganji, **M. Saniee Abadeh**, "An Intelligence Fuzzy classification System for Diabetes disease detection", 10th Iranian Conference on Fuzzy Systems, Tehran, Iran, July 13-15, 2010.
35. A. Foroughifar, **M. Saniee Abadeh**, M. Baran Pouyan, "Misuse Detection via a Novel Hybrid System", UKSim 3rd European Symposium on Computer Modelling and Simulation, Athens, Greece, November 25 – 27, 2009.
36. M. Baran Pouyan, **M. Saniee Abadeh**, H. Modammadi, A. Foroughifar, "A Novel Fuzzy Genetic Annealing Classification Approach", UKSim 3rd European Symposium on Computer Modelling and Simulation, Athens, Greece, November 25 – 27, 2009.
37. H. Mohamadi, J. Habibi, **M. Saniee Abadeh**, "Misuse Intrusion Detection using a Fuzzy-Metaheuristic Approach", Second Asia International Conference on Modelling & Simulation AMS2008 Asia Modelling Symposium, Kuala Lumpur, Malaysia, May 13 – 15, 2008.
38. **M. Saniee Abadeh**, J. Habibi, M. Daneshi, M. Jalali, M. Khezzadeh, "Intrusion Detection Using a Hybridization of Evolutionary Fuzzy Systems and Artificial Immune Systems", IEEE Congress on Evolutionary Computation (CEC), Swissôtel The Stamford, Singapore, September 25-28, 2007.
39. **M. Saniee Abadeh**, J. Habibi, "Computer Intrusion Detection Using an Iterative Fuzzy Rule Learning Approach", IEEE International Conference on Fuzzy Systems, FUZZ-IEEE 2007 in London, UK, July 23-26, 2007.
40. H. Mohamadi, J. Habibi, **M. Saniee Abadeh**, H. Saadi, "Intrusion Detection in Computer Networks using Simulated Annealing", 13th Annual Computer Society of Iran Computer Conference, Sharif University of Technology, Kish, Iran, March 9-11, 2008.

41. **M. Saniee Abadeh**, Jafar Habibi, Emad Soroush, "Induction of Fuzzy Classification Systems Using Evolutionary ACO-Based Algorithms", First Asia International Conference on Modelling & Simulation AMS2007 Asia Modelling Symposium, Phuket, Thailand, March 27-30, 2007.
42. H. Mohammadi, J. Habibi, **M. Saniee Abadeh**, H. Saadi, "Extracting fuzzy rules using Simulated Annealing based fuzzy classifier", 12th Annual Computer Society of Iran Computer Conference, Shahid Beheshti University, Tehran, Iran, February 20-22, 2007.
43. **M. Saniee Abadeh**, J. Habibi, Z. Barzegar, M. Sergi, "A Parallel Genetic Local Search Algorithm for Computer Intrusion Detection", 12th Annual Computer Society of Iran Computer Conference, Shahid Beheshti University, Tehran, Iran, February 20-22, 2007.
44. **M. Saniee Abadeh**, J. Habibi, S. Aliari, "Using a Particle Swarm Optimization Approach for Evolutionary Fuzzy Rule Learning: A Case Study of Intrusion Detection", Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU), Paris, France, July 2-7, 2006.
45. S. V. Jazayeri, J. Habibi, **M. Saniee Abadeh**, P. Pirzadeh, "Network Intrusion Rule Extraction Using a Hybridization of Michigan and Pittsburgh Approaches", 11th Annual Computer Society of Iran Computer Conference, School of Computer Science, Institute for studies in Theoretical Physics and Mathematics (IPM), Tehran, Iran, January 24-26, 2006.
46. A. Ranjbar, J. Habibi, **M. Saniee Abadeh**, A. Hamidi, "Network Intrusion Detection Using a Boosting Evolutionary Fuzzy Algorithm", 11th Annual Computer Society of Iran Computer Conference, School of Computer Science, Institute for studies in Theoretical Physics and Mathematics (IPM), Tehran, Iran, January 24-26, 2006.
47. E. Soroush, J. Habibi, **M. Saniee Abadeh**, "Intrusion Detection Using a Boosting Ant-Colony-Based Data Miner", 11th Annual Computer Society of Iran Computer Conference, School of Computer Science, Institute for studies in Theoretical Physics and Mathematics (IPM), Tehran, Iran, 24-26 January 2006.
48. **M. Saniee Abadeh**, J. Habibi, C. Lucas, "Designing a Compact Fuzzy Classification System Using a Genetics-Based Learning Algorithm", 10th Annual Computer Society of Iran Computer Conference, Iran Telecommunication Research Center, Tehran, Iran, February 15-17, 2005.
49. **M. Saniee Abadeh**, G.R. Ghasemsani, J. Habibi, "Accelerating Partial Order Planners Using a Fuzzy Genetics-Based Learning Algorithm", 10th Annual Computer Society of Iran Computer Conference, Iran Telecommunication Research Center, Tehran, Iran, February 15-17, 2005.
50. **M. Saniee Abadeh**, M. Jamzad, J. Habibi, "A Real-Time and Robust Algorithm for Calculation of Time to Lane Crossing", IAV2004 5th IFAC/EURON Symposium on Intelligent Autonomous Vehicles Instituto Superior Técnico, Lisboa, Portugal July 5-7, 2004.
51. **M. Saniee Abadeh**, J. Habibi, "A Fuzzy Ranking Method for Automated Highway Driving", IEEE Intelligent Vehicles Symposium, Parma, Italy, June 14-17, 2004.
52. **M. Saniee Abadeh**, M. Jamzad, J. Habibi, "A Real-Time Collision Warning System Based on TLC Computation", Ninth Annual Computer Society of Iran Conference, Department of Computer Engineering, Sharif University of Technology Tehran, Iran, February 17-19, 2004.

53. **M. Saniee Abadeh**, S.H. Davarpanah, J. Habibi, “Designing and Developing an Adaptive Expert System for Fault Detection and Diagnosis”, Ninth Annual Computer Society of Iran Conference, Department of Computer Engineering, Sharif University of Technology Tehran, Iran, February 17-19, 2004.
54. S.H. Mousavi, A. Bahrami, **M. Saniee Abadeh**, A. Varahram, J. Habibi, H. Hosseyniyan, “Prediction of mechanical property of forged stainless steel Din 1.4962 using Artificial Neural Networks”, Steel Symposium 82, Steel and Mineral Materials, Bafgh, Yazd, Iran, February 17-18, 2004.
55. **M. Saniee Abadeh**, J. Habibi, M. Fathi, A. Rahmani, “Using A Fuzzy Ranking Method for an Adaptive Cruise Control System”, 5th Conference on Intelligent Systems, Mashhad, Iran, October 14-16, 2003.
56. **M. Saniee Abadeh**, J. Habibi, M. Fathi, A. Rahmani, “Automated Highway Driving System Using Fuzzy Logic”, 5th Conference on Intelligent Systems, Mashhad, Iran, October 14-16, 2003.
57. **M. Saniee Abadeh**, M. Fathi, A. Rahmani, “A Novel Fuzzy Guidance System For Automated Highway Driving”, International Conference on Artificial Intelligence (IC-AI'03), Monte Carlo Resort, Las Vegas, Nevada, USA, June 23 - 26, 2003.
58. **M. Saniee Abadeh**, M. Fathi, A. Rahmani, “Developing a Novel Adaptive Cruise Control System Using Fuzzy Logic”, International Conference on Artificial Intelligence (IC-AI'03), Monte Carlo Resort, Las Vegas, Nevada, USA, June 23 - 26, 2003.
59. S. H. Davarpanah, **M. Saniee Abadeh**, M. R. Kangavari, “A Novel Method for Fault Detection in Industrial Systems Using an Adaptive Expert System”, First Mechatronic Conference, ICME, Qazvin, Iran (In Persian), May 27-28, 2003.

Invited Talks

1. **M. Saniee Abadeh**, “Medical Knowledge Discovery via Evolutionary Fuzzy Systems”, Biomedical Informatics Laboratory "Mario Stefanelli", University of Pavia, Italy, 30 March, 2015.

Visiting Researcher

1. **M. Saniee Abadeh**, Biomedical Informatics Laboratory "Mario Stefanelli", University of Pavia, Italy, March and April 2015.

Research Projects

1. **M. Saniee Abadeh**, “Persian Text Content Analysis and Opinion Mining System”, Vice Presidential Department of Science and Technology, Started on May 2015.
2. **M. Saniee Abadeh**, “Diabete Disease Detection System Using Advanced Artificial Intelligence Techniques”, Vice Presidential Department of Science and Technology, Finished on May 2014.

3. **M. Saniee Abadeh**, J. Habibi, "Intrusion Detection System for Computer Networks", SBDC, Sharif University of Technology, Finished on June, 2006.

Review of International Journals

1. IEEE Transactions on Cybernetics, IEEE, Since 2017.
2. Artificial Intelligence in Medicine, Elsevier Science, Since 2017.
3. Knowledge and Information Systems, Elsevier Science, Since 2017.
4. Biocybernetics and Biomedical Engineering, Elsevier Science, Since 2016.
5. Soft Computing, Springer, Since 2016.
6. Computers in Biology and Medicine, Elsevier Science, Since 2016.
7. Journal of Biomedical Informatics, Elsevier Science, Since 2015.
8. IEEE Transactions on Industrial Electronics, IEEE, Since 2013.
9. Knowledge-Based Systems, Elsevier Science, Since 2013.
10. Medical & Biological Engineering & Computing, Springer, Since 2012.
11. Computer Methods and Programs in Bio-Medicine, Elsevier Science, Since 2012.
12. Energy, Elsevier Science, Since 2012.
13. Neurocomputing, Elsevier Science, Since 2011.
14. Information Sciences, Elsevier Science, Since 2011.
15. International Journal of Network Security, Elsevier Science, Since 2010.
16. Computer Society of Iran Journal on Computer Science & Engineering, 2008

Teaching Experiences

- 1 Data Mining in Department of Electrical and Computer Engineering at Tarbiat Modares University Since Winter 2010. (Master of Science Course)
- 2 Advanced Database in Department of Electrical and Computer Engineering at Tarbiat Modares University Since Spring 2009, Winter and Spring 2010. (Master of Science Course)
- 3 Data Mining in Department of Electrical, Computer and IT Engineering at Qazvin Islamic Azad University from Winter 2008 to Spring 2010. (Master of Science Course)
- 4 Expert Systems in Department of Electrical, Computer and IT Engineering at Qazvin Islamic Azad University from Winter 2008 to Spring 2010. (Master of Science Course)
- 5 Evolutionary Computation in Department of Electrical, Computer and IT Engineering at Qazvin Islamic Azad University from Winter 2008 to Spring 2010. (Master of Science Course)
- 6 Project Management in Department of Computer Engineering at Sharif University of Technology in Spring 2008.

- 7 System Analysis and Design in Department of Computer Engineering at Kish International University in Spring 2008.
- 8 Fundamentals of Programming in Department of Computer Engineering at Kish International University in Spring 2008.
- 9 System Analysis and Design course teaching assistantship in Department of Computer Engineering at Sharif University of Technology in Spring 2007.
- 10 Artificial Intelligence and Technical and Scientific Presentation courses at Kashan University in Spring 2007.
- 11 System Analysis and Design course teaching assistantship in Department of Computer Engineering at Sharif University of Technology in Fall 2006.
- 12 System Analysis and Design course teaching assistantship in Department of Computer Engineering at Sharif University of Technology in Fall 2005.
- 13 Teacher Assistant of Decision Support Systems of MS degree at Sharif University of Technology in Fall 2005.
- 14 Expert System and Technical and Scientific Presentation courses at Kashan University in Fall 2005.
- 15 System Analysis and Design course teaching assistantship at Department of Computer Engineering at Sharif University of Technology in Spring 2005.
- 16 Teacher Assistant of Decision Support Systems of MS degree at Sharif University of Technology in Fall 2004.
- 17 Artificial Intelligence and Expert System courses at Kashan University in Fall 2004.
- 18 Technical and Scientific Presentation Course at Department of Computer Engineering at Sharif University of Technology in Spring 2004.
- 19 Advanced Programming Course in Department of Computer Engineering at Sharif University of Technology in Fall 2003.