

Reza Javidan C.V (March 2015)

- High School diploma, 1989
- B.Sc in Computer Engineering (hardware) from Isfahan University in Iran
1989-1993 average score: 17.05 out 20
- B.Sc project title: Designing an EPROM Programmer system
- M.Sc in Machine Intelligence and Robotics From Shiraz University in Iran
1993-1996 Average score: 17.85 out of 20
- M.Sc Thesis topic: Image Based Information System Design Based on Landsat Imagery Data in Persian Gulf Region.
- Ph.D. from Shiraz University in computer engineering. 2003-2007. Average score: 18.15 out of 20.
- International course “Oceanic data” certificate.
- Certified as Sonar specialist from Russia.
- Visiting scholar researcher in Ocean Technology Group, university of Sydney, Australia, 2003.
- Well experienced and familiar with Computer Hardware, software programming languages such as Delphi, and MatLab, Database Management Systems and SQL servers, Computer Networks, Internet and Web programming, Remote Sensing, Geographical Information Systems, Underwater Acoustic, Sonar Systems, Digital Image Processing, Machine Vision, and Pattern Recognition and Classification.
- Sound ability in English Language and familiar with Russian Language

List of publications

Books

- 1- Javidan Reza, "Fundamental of Designing Sonar Systems and Their Applications", MUT Press, 681 Pages, in Persian, 2008.
- 2- Javidan Reza, " Underwater Acoustic Image Processing; New Tools, Methods and Algorithms ", LAMBERT Academic Publishing, Germany, 2012.
- 3- Mohammadi Reza, Javidan Reza, and Keshtgary Manijeh, "Fundamental of Designing Underwater Wireless Sensor Networks ", Hamara Press, 368 Pages, in Persian, 2013.

Journal Articles

1. Jokar Arsanjani Taghi, Javidan Reza, Nazemosadat Mohamad Jafar, Jokar Arsanjani Jamal and Vaz Eric, "Spatiotemporal monitoring of Bakhtegan Lake's areal fluctuations and an exploration of its future status by applying a cellular automata model", *Elsevier: Computers & Geosciences* 78 (2015) 37–43, 2015.
2. Salah Alireza, Javidan Reza and FatehiKhajeh Mohammad Taghi, "A four-phase data replication algorithm for data grid", *Journal of Advanced Computer Science & Technology*, 4 (1) (2015) 163-174.
3. Islami Nasab Masumeh and Javidan Reza, "A new approach for finding semantic similar scientific articles", *Journal of Advanced Computer Science & Technology*, 4 (1) (2015) 53-59.
4. Ghasemi Aghdas and Javidan Reza, "A New Model as English Tutorial Assistant Based on Augmented Reality ", *Journal of Educational and Management Studies*, 4 (3): 695-701, 2014.
5. Mousavi Zahra and Javidan Reza, "A Combined Localization-Synchronization Method for Underwater Communication", *International Journal of Computer Networks and Communications Security*, Vol. 2, No. 12, 414–422, December 2014.
6. Karimi maryam, Javidan Reza, and Keshtgari Manijeh, "A New Method for Intelligent Message Network Management in Ubiquitous Sensor Networks", *Computer Engineering and Applications Journal*, Vol. 3, No. 3, 2014.

7. Namvarasl Sahar, Abdi Vajihe, and Javidan Reza, "A New HadoopBased Network Management System withPolicy Approach", *Computer Engineering and Applications Journal*, Vol. 3, No. 3, 2014.
8. Parnian Ahmadreza, Kharazmi M. R. and Javidan Reza, "RPL Routing Protocol in Smart Grid Communication", *Journal of Systems and Software*, Vol 4, No. 5, August 2014.
9. Rahimi Soroush and Javidan Reza, "A fast block-based approach for segmentation and classification of textural images using Contourlet Transform and SVM ", *Int. J. Signal and Imaging Systems Engineering*, Vol 7., No. 4, 2014.
10. Mohammadi Reza and Javidan Reza, " Seabed Image texture Clustering Using Parallel Computing ", *International Journal of Mechatronics, Electrical and Computer Technology*, Vol. 4, No. 12, July 2014.
11. Jafari Farima and Javidan Reza, "A New Compression Method based on Jpeg2000 and Contourlet Transform ", *Journal of Advances in Computer Research*, Vol. 6, No. 2, May 2014.
12. Parnian Ahmadreza and Javidan Reza, "Autonomous Wheat Seed Type Classifier System", *International Journal of Computer Applications*, Vol. 96, No. 12, June 2014.
13. Mohammadi Reza, Nabavi Y. and Javidan Reza, " MAC Protocols in Underwater Wireless Sensor Networks: Issues and Simulations ", *Journal of Advances in Computer Research*, Vol. 5, No. 2, May 2014.
14. RoshanRad Shiva, Keshtgari Manijeh, and Javidan Reza, " MBC: A Multi-hop Balanced Clustering Routing Protocol for Wireless Sensor Network", *International Journal of Artificial Intelligence and Mechatronics*, Vol. 2, No. 6, 2014.

15. Mazloom M. and Javidan Reza, "A New Image Based Tracking System to Follow Air Targets Using Autocorrelation Method ", *Special Issue: Chemical and Process Engineering*, Vol. 36, No. 2, 2014.
16. SasaniNasab Mohsen, Javidan Reza and NamvarAsl Sahar, "An XML-Based Network Management Framework for IP Networks ", *Int. J. Emerg. Sci*, Vol. 4, No. 1, March 2014.
17. Haghtalabi Somayeh, Javidan Reza and Haroonabadi Ali, "A New Resource Allocation Model for Grid Networks based on Bargaining in a Competitive Market", *Journal of Soft Computing and Applications*, 2014.
18. Azadmanesh Kosar, Javida Reza and Alavi Enayatollah, " Improvement of Facial Emotion RecognitionUsing Skin Color and Face Components", *International journal of Computer Science & Network Solutions*, Vol. 2, No. 4, April 2014.
19. Goodarzi Babak and Javidan Reza, " Local Binary Pattern-Based Seabed Image Texture Discrimination", *International Journal of Emerging Technology and Advanced Engineering*, Vol. 4, No. 2, February 2014.
20. Zareh Forogh, Abbasi Dezfuli M. and Javidan Reza, " Job Scheduling Problem with Fuzzy Neural Network by using the MapReduce Model in a Cloud Environment", *International Journal of Computer Applications*, Vol. 88, No. 14, February 2014.
21. Booshehrian Omid, Emami Y and Javidan Reza, " Automatic Management of Wireless Sensor Networksthrough Cloud Computing ", *Journal of Emerging Trends in Computing and Information Sciences*, Vol. 5, No. 2, February 2014.
22. Alinezhad Kolahi Adel, Javidan Reza, Nematollahi M., Zand Farid, and Nikandish reza, "A new method for prediction of the hospitalization period in

- ICU using neural networks ", *Journal of Health Management & Informatics*, Vol. 1, No. 3, January 2014.
23. Noshfar Mansour, Javidan Reza, and Yektaei Mohammad Hossein, "Security and Fault aware Scheduling in Computational Grid", *International Journal of Mechatronics, Electrical and Computer Technology*, Vol. 3, No. 9, pp. 286-313, Oct 2013.
 24. Azarian Marzieh, Javidan Reza and Abbasai Dezfuli M., "Unsupervised Texture Image Segmentation Using MRFEM Framework ", *Journal of Advances in Computer Research*, Vol. 5, No. 2, May 2013.
 25. Bazmi Parisa, Keshtgari Manijeh, and Javidan Reza, " EEK: An Energy Efficient K-Means-Like Routing Protocol for Wireless Sensor Networks", *International Journal of Artificial Intelligence and Mechatronics*, Vol. 2, No. 3, 2013.
 26. Rafiee Hamideh, and Javidan Reza, "A Study on Important Factors in Designing Underwater Wireless Sensor Networks", *Iranian Journal of Marine Science And Technology*, Vol. 18, No. 62, 2013 (in Persian).
 27. Famoori Farzaneh, and Javidan Reza, "An Intellectual Method for Range-free Localization in Underwater Acoustic Sensor Networks", *International. Journal of Emerging Sciences*, Vol. 3. No. 2, Pages 228-240, June 2013.
 28. Famoori Farzaneh, and Javidan Reza, "A New Localization Algorithm for Underwater Acoustic Sensor Networks", *Australian Journal of Basic and Applied Sciences*, Vol. 7, No. 4, Pages 114-122, 2013.
 29. Javidan Reza, and Rafiee Hamideh, "A New Energy Efficient and Depth based Routing Protocol for Underwater Sensor Network ", *British Journal of Science*, Vol. 8 (1), January 2013.

30. Sedighi Saeed M., and Javidan Reza, "Semantic query in a relational database using a local ontology construction", *African Journal of Science*, 108(11/12), October 2012.
31. Mohammadi Reza, Javidan Reza, and, Keshtgary Manijeh, " QoS Parameter Analysis of Routing Protocols in Underwater Surveillance Systems", *Wulfenia Journal*, Volume 19, Issue 10, October, 2012.
32. Mohammadi Reza, and Javidan Reza, " A New Depth Based Routing Protocol Using Fuzzy Logic Concepts for Underwater Wireless Sensor Networks", *International Journal of Research and Reviews in Wireless Sensor Networks (IJRRWSN)*, Vol. 2, No. 3, September 2012.
33. Mohammadi Reza, and Javidan Reza, " Adaptive Quiet Time Underwater Wireless MAC: AQT-UWMAC ", *International Journal on Communications Antenna and Propagation (IRECAP)*, Vol. 2, No. 4, August, 2012.
34. Keshtgary Manijeh, Javidan Reza, and Mohammadi Reza, "Comparative Performance Evaluation of MAC Layer Protocols for Underwater Wireless Sensor Networks", *Modern Applied Science*, Vol. 6, No. 3; March 2012.
35. Hadidi Vahid, Javidan Reza, Barati Ali, and Hadidi Amin, "A New Architecture for Underwater Acoustic Sensor Networks", *International Journal of Applied Science and Technology*, Vol. 2 No. 3; March 2012.
36. Sahafipour Forough and Javidan Reza, "A Comparative Study on Applying Context Modeling Approaches in an Infrastructure", *Canadian Journal on Data Information and Knowledge Engineering*, Vol. 3 No. 1, January 2012
37. Rahmanian M., Javidan Reza, and Keshtgary M., "A New Method for Positioning Persian License Plates", *International Journal of Engineering and Technology (IJET)*, Vol. 3, No. 6, December 2011.

38. Hadidi V., Javidan Reza, Keshtgary M., and Hadidi A., "A Suitable Architecture and Deployment Considerations for Shallow Water Acoustic Sensor Networks", *International Review on Computers and Software (IRECOS)*, Vol. 6., N. 6, November 2011.
39. Javidan Reza, Masnadi Shirazi Mohammad A., and Azimifar Zohreh, "Contourlet-Based Acoustic Seabed Segmentation and Classification", *International Journal on Communications Antenna and Propagation (IRECAP)*, Vol. 1, No. 4, August 2011.
40. Vahdati Farahnaz, Javidan Reza, and Farrahi Ahmad, "A New Method for Data Filtering in RFID Middleware", *International Journal of Radio Frequency Identification Technology and Applications*, Vol. 3, No. 4, 2011.
41. Vaziri R. and Javidan Reza, "A Bayesian Based Model for Evaluation of the Reliability of Software Architecture", *European Journal of Scientific Research*, Vol. 63 No. 2, pp. 243-254, 2011.
42. Estahbanati S., and Javidan Reza, "A New Multi-Phase Algorithm for Stemming in Farsi Language Based on Morphology", *International Journal of Computer Theory and Engineering (IJCTE)*, Vol. 3, No. 5, October, 2011.
43. Pirbonyeh M.A. and Javidan Reza, "Mobile Phone Electronic Payment Based on Call Back Technique and One Time Password", *International Journal of Applied Science and Technology*, Vol. 1 No. 5, September 2011.
44. Jamnezhad M. E., and Javidan Reza, "Evolutionary Processing for Optimization of Educational Scheduling Programs", *European Journal of Scientific Research*, Vol. 57 No. 4, pp. 546-555, 2011.

45. Keshavarz S., and Javidan Reza, "Software Quality Control Based on Genetic Algorithm", *International Journal of Computer Theory and Engineering (IJCTE)*, Vol. 3, No. 4, August 2011.
46. Rahmanian M., Javidan Reza, and Abbasi Dezfuli M., " Efficient Parameters in Farsi License Plate Positioning by Using Edges and Morphological Operator", *Canadian Journal on Image Processing and Computer Vision*, Vol. 2 No. 6, July 2011.
47. Javidan Reza and Mollaei Ali Reza, "Unhealthy Poultry Carcass Detection Using Genetic Fuzzy Classifier System", *International Journal of Computers*, Issue 3, Volume 5, 2011.
48. Javidan Reza, and Rasekh Iman, "Concatenative Synthesis of Persian Language Based on Word, Diphone and Triphone Databases", *Journal of Modern Applied Science*, Canada, Vol. 4, No. 10; October 2010.
49. Javidan Reza, and Eghbali J. H., "Automatic Seabed Texture Segmentation and Classification Based on Wavelet Transform and Fuzzy Approach", *International Journal of the Society for Underwater Technology*, Vol 27, No 2, pp 51-55, 2007.
50. Javidan Reza., "Designing and Implementing of a Control System for an active Sonar based on Digital micro-controllers", *Journal of MUT*, 2003.

Conference Articles

1. Mohammadi Reza, and Javidan Reza, "Underground Wireless Sensor Networks: Advantages and Challenges", *8th Symposium on Advances in Science and Technology*, Ferdosi Mashhad University, Iran, December 19, 2013 (in Persian).
2. Goodarzi Babak, and Javidan Reza, "Utilizing Local Binary Patterns for Feature Extraction of Textural Images", *1st Symposium of Robotic and AI in Mazandaran (SRAM 2013)*, November 21, 2013.
3. Barzegari Mehdi, and Javidan Reza, "A Strategic Management Model for Satisfaction of the Customers of Iranian Gas Company in Fars Province", *International Conference on Management: Challenges and Solutions*, Shiraz, Dec 2013 (in Persian).
4. Barzegari Saeed, and Javidan Reza, "Sonar System Simulation: A Case Study on Dolphin Biosonar Simulation Using Field II Software", *15th Marine industries Conference*, Kish, Iran, October 29-31, 2103 (in Persian).
5. Kavooosi Vali, Dehghani Mohammad Javad, and Javidan Reza, "3D Underwater Active Target Localization using Receiving Energy with Minimum of Sensors", *15th Marine industries Conference*, Kish, Iran, October 29-31, 2103 (in Persian).
6. Kavooosi Vali, Dehghani Mohammad Javad, and Javidan Reza, "A New Method for Target Localization in Underwater Wireless Sensor Networks Based on Linear Method", *15th Marine industries Conference*, Kish, Iran, October 29-31, 2103 (in Persian).

7. Sahraeian Mohammad, Dehghani Mohammad Javad, and Javidan Reza, "Sonar Signal Simulation of the Echolocation of Bottlenose Dolphins", *15th Marine industries Conference*, Kish, Iran, October 29-31, 2103.
8. Alinezhad-Kolahi Adel, Javidan Reza, and Nematollahi Mohtaram, "A Comparative Study on the Versions of APACHE Hospitality Software and Their Applications in Iran", *The first International Congress and 6th National Seminar of Electronic Learning in Medical Sciences*, Shiraz Medical University, October 23-25, 2013 (in Persian).
9. SaadatNeshan Akram, and Javidan Reza, "Designing and Implementing an Expert System for Dead Rate Prediction in Iranian ICUs", *The first International Congress and 6th National Seminar of Electronic Learning in Medical Sciences*, Shiraz Medical University, October 23-25, 2013 (in Persian).
10. Javidan Reza, Sasaninasab Mohsen, and Namvarasl Sahar, " An XML-Based Network Management Framework for IP Networks ", *International Conference on Computer Science and Computational Mathematics (ICCSM2013)* Malaysia, Feb. 9-10, 2013.
11. Alinezhad-Kolahi Adel, Jafari-Jorjani Hasan, and Javidan Reza, "Desgning and Implementation of a National Intelligent Software for ICU Time of Bedding Prediction in Hospitals", *11th Iranian Conference on Intelligent Systems*, Tehran, February 27th & 28th, 2013.
12. Jafari Farima, Javidan Reza, and Javanmard Mehdi, "Satellite Image Compression Using Contourlet Transfrom", *5th Conference on Information and Knowledge Technology (IKT 2013)*, Shiraz University, May 22-24, 2013 (in Persian).

13. Baziar Mehdi, and Reza Javidan, "A Feasibility Study on Secure Data Transmission of Iranian Gas Company Using Encryption Algorithms", *5th Conference on Information and Knowledge Technology (IKT 2013)*, Shiraz University, May 22-24, 2013 (in Persian).
14. Kaveh Azadeh, and Javidan Reza, " Using Web-Based Simulation for supply chain management Training in Iranian E-Learning System", *4th International Conference on e-Learning and e-Teaching (ICELET 2013)*, Shiraz University, 2013 (in Persian).
15. Sameti Mohammad, and Reza Javidan, "3D Simulation of Iranian Tourism; Case Study on Isfahan ChehelSotoon", *1th National Conference on Tourism and Ecotourism of Iran*, March 7, 2013 (in Persian).
16. Rasti Sedigeh, Javidan Reza, and Asadollahi Elaheh, "Web Services on Semantic Web and Introducing WSMX as a Semantic Based Service Oriented Architecture", *In Proceeding of 15th Iranian Student Conference on Electrical Engineering*, August 28-30, 2012.
17. Rastgoo-Khollari Zahra, Javidan Reza, and Abbasi-Desfooli M., "A Study on Metrics and Algorithms of Trust", *In Proceeding of 4th Iranian Conference on Electrical and Electronics Engineering (ICEEE2012)*, 2012.
18. Sahraeian M., Dehghani M.J., and Javidan Reza, "Navigation Using Dolphin Biosonar", *13th Marine industries Conference*, Iran, Kish, 8-11 Nov 2011.
19. Hadidi V., Javidan Reza, and Brati A., "Designing a Wireless Sensor Network for Ship Traffic Control", *13th Marine Industries Conference*, Iran, Kish, 8-11 Nov 2011.

20. Mohammadi R. and Javidan Reza, "Designing a Surveillance System Based on Wireless Sensor Network in Persian Gulf", *13th Marine industries Conference*, Iran, Kish, 8-11 Nov 2011.
21. Zahernia Azardokht, Dehghani M.J., and Javidan Reza, " MUSIC Algorithm for DOA Estimation Using MIMO Arrays ", *in Proceeding of 6th International Conference on Telecommunication Systems, Services, and Applications* 2011.
22. Estahbanati Somayye and Javidan Reza, "A New Stemmer for Farsi Language", *CSI International Symposium on Computer Science and Software Engineering*, Sharif University of Technology, 2011.
23. Sahafipour F. A., Javidan Reza, Vahdat-Nejad H., and Kadivar M., " Hybrid Interactions in Pervasive Computing Environment", *In Proceeding of International Workshop on Context Aware Middleware for Ubiquitous*, Russia, 2011.
24. Estahbanati Somayye, Javidan Reza and Abbasi Dezfooli M., "Implementation of a New Method for Stemming In Persian Language", *In Proceeding of International Conference on Web Intelligence, Mining and Semantics*, Norway, May 25 – 27, 2011.
25. Javidan Reza and Ali Reza Mollaei " A Fuzzy Approach for Unhealthy Detection in Texture Images of Poultries", *In Proceeding of IEEE International Conference on Information and Computer Applications (ICICA 2011)*, March 18-20, Dubai, 2011.
26. Zahernia Azardokht, Dehghani M.J., and Javidan Reza, " Estimation of the Arrival Angles at Grazing Incidence Direction Using MIMO Arrays", *in*

- Proceeding of 1th International Conference on Communication Engineering, Zahedan, Iran, 2010.*
27. Javidan Reza, Vahdati Farahnaz, and Farrahi Ahmad, "A New Method for Data Redundancy Reduction in RFID Middleware", *In Proceeding of Fifth International Symposium on Telecommunications (IST2010)*, Tehran, December 4-6, 2010.
 28. Javidan Reza, and Rasekh Iman, "Database Optimization of a Persian Speech Synthesis System", *In Proceeding of 17th Iranian Conference on Medical Engineering, Isfahan medical University*, November 3-4, 2010.
 29. Javidan Reza and Pirbonyeh M.A., "A New Security Algorithm for Electronic Payment via Mobile Phones", *In Proceeding of 3rd International Symposium on Applied Sciences in Biomedical and Communication Technologies*, Rome, Italy, November, 7-10, 2010.
 30. Javidan Reza, "Wavelet Acoustic Seabed Discrimination System", *In Proceedings of IEEE International Conference on Information & Communication Technologies: from Theory to Applications*, Paris, France, July 7-10, 2010.
 31. Javidan Reza, "Fundamental of designing 3D Sonar Systems", *The first Iranian Conference on Acoustic*, Shiraz, 5-6 May 2009.
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- Transform Features for Textural Image Classification”, *In: Proceedings of IEEE International Conference on Information & Communication Technologies: from Theory to Applications*, 7-11 April 2008.
34. Javidan Reza, Masnadi Shirazi Mohammad A., and Azimifar Zohreh, “Seabed Image Texture Segmentation and Classification Based on Nonsubsampled Contourlet Transform”, *In 13th Int'l CSI Computer Conference (CSICC'08)*, Sharif University of Technology, 9 -11 March, 2008.
 35. Javidan Reza, Eghbali J. H., and Mollae A., "A Genetic Fuzzy Classifier System for Automatic Unhealthy Detection in Texture Images of Poultry in Slaughter Houses", *In Proceedings of the 4th Iranian Conference on Machine Vision and Image Processing*, pp. 687-693, Feb. 14-15, 2007
 36. Javidan Reza, "A comparative study on applying acoustic ground Discrimination Systems, in Persian Gulf for Marine Researches", *6th Iranian Congress of Marine Sciences and Technology*, 2006.
 37. Javidan Reza, "Designing and Manufacturing of an active sonar control subsystems digital controllers", *Iranian Congress of Marine Sciences and Technology*, 2006.
 38. Javidan Reza, and Eghbali J. Hassan, "Seabed Textural Image restoration and Noise Removal Using Genetic Programming", *In 5th International Conference on Marine Researches and Transportation*, Italy. 19-21 Sep., 2005.
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 40. Javidan Reza, “A Study on Applying New Sonar Systems in Persian Gulf for

- Marine Applications”, 6th *Iranian Conference on Marine Industries*, Jan. 25-27, 2005.
41. Javidan Reza, “Designing an Intelligent Control System for Sonar Systems and Its Application in Automatic Navigation of Vessels”, *In Proceeding of The First International Conference on Fast Ships*, 2005.
42. Javidan Reza, & Jones Ian S. F., High Resolution Acoustic Imaging of Archaeological Artifacts in Fluid Mud. *International congress on the application of recent advances in underwater detection and survey techniques to underwater archeology*, Turkey, 2004.
43. Javidan Reza & Eghbali J. Hasan, "Automatic Classification of Persian Gulf Bottom Based on Acoustic Images" *International Conference on Coasts, Ports and Marine Structures*, Iran. 29 Nov. – 2 Dec., 2004.
44. Javidan Reza., and Eghbali J. Hasan, “Designing and Improving a Receiver of an Active Sonar System Using Fuzzy Logic”, *5th Iranian Conference on Fuzzy Systems*, Tehran, Sep. 7-9, 2004.
45. Javidan Reza., “Ship Terrific Control Using Multispectral Satellite Imageries”, *5th International Conference on Coasts, Ports, and Marine Structures*, October, 2002.
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47. Javidan Reza., and Eghbali H. J., “Modified Unsharp Masking based on Sequency Ordered FHT for Digital Images”, *3th Electronic Conference, Shiraz University*, 1995.