Curriculum vitae

Hossein Momeni

Personal

Hossein Momeni
Assistant Professor in Software Engineering
Department of Computer Engineering, Faculty of Engineering, Golestan University, Gorgan, Iran
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Education

Iran University of Science and Technology, Tehran, Iran	**Ph.D. in Software Engineering** Dissertation: *Task Assignment and Scheduling in Wireless Sensor-Actor Network in Support of Real-Time Applications*	2006-2012
Iran University of Science and Technology, Tehran, Iran	**M.Sc. in Software Engineering** Thesis: *Implementation and Testing Improving Quality of Service in Real Time CORBA Component Model*	2002-2004
Ferdowsi University, Mashhad, Iran	**B.Sc. in Software Engineering** Final Project: *Security Mechanisms in Virtual Private Network*	1997-2001

Professional Appointments

- **Assistant Professor in Software Engineering**, *Department of Computer Engineering, Faculty of Engineering, Golestan University*, Gorgan, Iran, 2014-Present.

Scientific Administrative Experiences

President of Golestan Science and Technology Park	2025-2026
Director of CERT Laboratory, Golestan University	2014-present
Vice President of Research and Technology of Golestan University	2021-2023
The director of research and technology affairs of the Golestan University	2018-2021
Head, Cloud of Things(Cloud+IoT) Research Center, Golestan University	2017-2019
Dean of Engineering Faculty, Golestan University	2014-2015
President of the Golestan University of Applied Science and Technology	2012-2014
Head of Computer Department, Mirdamad Institute of Higher Education	2005-2008

Teaching Experiences

Undergraduate Level: Object Oriented Programming, Fundamentals of Computer Science, Introduction to Programming, Data Structure, Operating Systems, Algorithms, Database Design, Software Design and Analysis, Software Engineering, Information Security, Software Testing, and Cloud Computing, Data Science.

Graduate Level: Software Project Management, Software Testing, Software Verification and Validation, Advanced Software Engineering, Software Fault Tolerance, Machine Learning, Advanced Operating Systems, Distributed Systems, Advanced Database, Virtualization.

Leaderships and Mentorship

- Member of the Scientific Council of Golestan Science and Technology Park, 2022-present.
- Member of Golestan University Incubator, 2021-present.
- Technical Program Committee, 5th Conference on Electrical and Computer Engineering, 2021.
- Technical Manager, ICT Challenge4 Competition, Golestan, Iran, 2019.
- Executive Manager, Internet of Things League Competition, Golestan, Iran, 2018.
- Mentor, A Cup of Code Competition, Golestan, Iran, 2017.
- Technical Manager, Software Security Hackaton, Golestan Province, Iran, 2017.
- Mentor, Startup Weekend Event, Gorgan, Iran, ۲۰۱۵.

Industrial Experiences

- Project Manager, Monitoring Heath Service(Iran Health Insurance Organization) 2023-present
- Founder & Chief Executive Officer(CEO), Pishgaman Novin Fatech Company   2021-Present
- Co-Founder & Chairman of board, Tafakor Derakhshan Paya Company   2019-Present
- Co-Founder & Chairman of board, Atie Pardazan Fariman Pars Company   2019-Present
- Project Manager, HiLance: A Freelancing Platform.   2022-2023
- Project Manager, Monitoring as a Service(MaaS): Cloud Platform.   2021-2023
- Technical Manager, Learning Managing Systems(LMS).   2020-2022
- Developer, Software Quality Control System.   2019-2021
- Project Manager, Iran Family Doctor Web based System.   2017-2022
- Project Manager, LMS for Rural ICT Centres   2013-2014
- Developer, Web-based Academic Education system.   2004-2006

Technical Skills

Programming Languages: C, C++, Java, Python, R
OS: Windows, Linux (CentOS, Ubuntu, Kali)
Cloud Platform: OpenStack
Virtualization: VMware, Xen, KVM
Software Management and Modelling: RUP, UML, Scrum, XP
Data Science Tools: Excel, Power BI, IBM Modeller, Tensorflow, Tableau, SQL Server
E-Content Provider Tools: Flash Adobe, Camtasia, Adobe Captivate, Elearning builder

Research Interests

- Resource Management and Task Scheduling in Distributed Systems(Cloud/Fog/Edge Computing)
- Software Engineering
- Problem Solving and Data Analysis with ML/AI/NLP
- Performability Evaluation (Performance and Dependability)

Professional Service

Journal Reviewer: The Journal of Supercomputing(Springer); Journal of World's Electrical Engineering and Technology; Journal of Soft Computing and Information Technology; Ad Hoc Sensor and Wireless Networks Journal; Journal of Information & Knowledge Management; Journal of AI and Data Mining; Sadhana Academy Proceedings in Engineering Sciences.

Grant Proposal Reviewer: Proposals of Academic Research (Golestan University); Proposals of Innovation and Startup Plan (Golestan Science and Technology Park)

Awards

- Selected as a **distinguished researcher** of the year at Golestan University, Gorgan, Iran; 2016, 2020 and 2022, 2025.
- Selected as a **distinguished researcher** at Golestan Province, Iran; 2019.
- Selected as a **distinguished project manager** by the Nation Health Organization (Iran Family Doctor Web-based System Project); 2019.
- Selected as a **distinguished PhD student** in the School of Computer Engineering, Iran University of Science and Technology, Tehran, Iran; 2007.

Publication

Refereed Journal Papers

1. Shayan Shahini and Hossein Momeni, " Autoencoder-based Anomaly Detection in Microservices using Distributed Tracing", 20th CSI International Symposium on Artificial Intelligence and Signal Processing (AISP), 2024.

2. Mohammad Mehdi Moayeri, **Hossein Momeni** , "An Intelligent Caching Approach in Mobile Edge Computing Environment", 20th CSI International Symposium on Artificial Intelligence and Signal Processing (AISP), 2024.

3. Mohammad Mehdi Moayeri, **Hossein Momeni** and Ali Sebti "EICC: Edge Intelligent Context-aware Caching in Mobile Edge Computing Environment" Submitted to Computational Intelligence Journal, 2023.

4. **Hossein Momeni** and Ali Yavari, " ICTF: Imperialist Competitive Algorithm-based Task Scheduling in Fog Computing", Journal of Signal and Data Processing, Vol. 20, No.1, pp. 25-38, 2023.

5. Leyli Abbasi, **Hossien Momeni** and Mehdi Yaghoubi, "SWSA: A Hybrid Scientific Workflow Scheduling Algorithm Based on Metaheuristic Approach in Cloud Computing Environment" Journal of Information & Knowledge Management, Vol.20, No.3, 2021.

6. **Hossein Momeni** and Nahid Mabhoot, "An Energy-aware Real-time Task Scheduling Approach in a Cloud Computing Environment " Journal of AI and Data Mining, Vol. 9, No. 2, pp. 213-226, 2021.

7. Nahid Rezaei and **Hossein Momeni**, "A Hybrid Meta-heuristic Approach to Cope with State Space Explosion in Model Checking Technique for Deadlock Freeness" Journal of AI and Data Mining, Vol.8, No. 2, pp.189-199, 2020.

8. **Hossein Momeni** and Fatemeh Mahdavi, " Efficient Web Services Composition with Fuzzy-Genetic Approach" International Journal of Mechatronics, Electrical and Computer Technology (IJMEC), ISSN: 2305-0543, Volume 5, Number 14, pp. 98-112, January 2015.

9. **Hossein Momeni** and Ali Yavari, "Complexity Evaluation of Aspect-oriented Software with Adaptive Neuro Fuzzy Inference System" International Journal of Basic Sciences and Applied Research(IJBSAR), ISSN(Print): 2147-3749, Volume 3, pp. 22-30, 2014.

10. **Hossein Momeni** and Shiva Zahedian, "Aspect-Oriented Software Maintainability Assessment Using Adaptive Neuro Fuzzy Inference System" The Journal of Mathematics and Computer Science (TJMCS), Volume 12, Number 3, pp. 243-252, August 2014.

11. **Hossein Momeni**, Homayoun Motameni and Mahtab Larimi, "A Neuro-Fuzzy based Approach to Software Quality Requirements Prioritization" International Journal of Applied Information Systems (IJAIS), ISSN: 2249-0868(Print), Volume 7, Number 7, August 2014.

12. Hassan Fazli and **Hossein Momeni**, "Comparison of Bayesian Networks and Lazy Model Algorithms in Intrusion Detection Systems Based on Data Mining" Journal of World's Electrical Engineering and Technology (JWEET), Volume 3, Number 2, August, 2014.

13. **Hossein Momeni**, Ali Yavari, Fatemeh Goli and Mahmoud Ahmadi Chakoli, "Optimality Evaluation of Maintenance Strategy Using LVQ Neural Network" International Journal of Mechatronics, Electrical and Computer Technology (IJMCE), Volume 4, Number 12, pp. 798-810, July 2014.

14. Fatemeh Goli, **Hossein Momeni** and Ali Yavari, "A New Method for Searching Keyword in Cloud Servers Using ANFIS" The Journal of Mathematics and Computer Science (TJMCS), Volume 11, Number 4, pp. 300-308, July 2014.

15. Mostafa Nemati and **Hossein Momeni**, "Black Holes Algorithm with Fuzzy Hawking radiation", International Journal of Scientific & Technology Research (IJSTR), Volume 3, Number 6, June, 2014.

16. Hassan Fazli and **Hossein Momeni**, "Presenting a Model for Making a Comparison of Bayesian Networks and Decision Tree Algorithms in Intrusion Detection Systems-Based on Data Mining" Journal of World's Electrical Engineering and Technology (JWEET), Volume 3, Number 1, February, 2014.

17. Ayda Mazandarani and **Hossein Momeni**, "QoS-aware Scientific Application Scheduling Algorithm in Cloud Environment" Journal of Computer Engineering and Intelligent Systems (CEIS), Volume 4, Number 12, pp. 21-30, 2013.

18. Mostafa Nemati, **Hossein Momeni** and Navid Bazrkar, " Binary Black Holes Algorithm" International Journal of Computer Applications (IJCA), Volume 79, Number 6, pp. 36-42, October 2013.

19. Ali Yavari, Maede Gholbaghi and **Hossein Momeni**, "Assessment of Effective Risk in Software Projects based on Wallace's Classification Using Fuzzy Logic" International Journal of Information Engineering and Electronic Business (IJIEEB), Volume 5, Number 4, pp. 58-64, October 2013.

20. Ali Yavari, Maryam Musavi, **Hossein Momeni** and Mahnaz Hamzehnia, "Measuring the Failure Rate in Service-Oriented Architecture Using Fuzzy Logic" The Journal of Mathematics and Computer Science (TJMCS), Volume 7, Number 3, pp. 160-170, May 2013.

21. **Hossein Momeni** and Mohsen Sharifi, "A Context-Aware Task Distribution Approach for Wireless Sensor Actor Networks", Ad Hoc Sensor and Wireless Networks Journal, Volume 19, Number 3-4, pp. 189-212, 2013.

22. **Hossein Momeni**, Mohsen Sharifi and Morteza Okhovvat, "A Mathematical Approach to Reduce the Mean Number of Waiting Tasks in Wireless Sensor Actor Networks", Information, Published by International Information Institute, Tokyo, Japan, Volume 15, Number 1, January 2012.

23. **Hossein Momeni**, Mohsen Sharifi and Morteza Okhovvat, "Distributed Assignment of Real-Time Tasks in Wireless Sensor Actor Networks", IEICE Electronics Express Journal, ISSN: 1349-2543, Volume 8, Number 7, pp. 429-435, April 2011.

24. Morteza Okhovvat, Mohsen Sharifi and **Hossein Momeni**, "Task Allocation to Actors in Wireless Sensor Actor Networks: An Energy and Time Aware Technique", Procedia Computer Science Journal, ISSN: 1877-0509, Elsevier Publishing LTD, Volume 3, pp. 484-490, 2011.

25. Mohsen Sharifi, **Hossein Momeni** and Vahid Rafe, "Optimal Real-Time Task Allocation in Wireless Sensor Actor Networks", Australian Journal of Basic and Applied Sciences, INSInet Publication, ISSN 1991-8178, Volume 4, Number 8, pp. 3455-3466, August 2010.

26. **Hossein Momeni**, Mohsen Sharifi, Adel Torkaman Rahmani and Vahid Rafe, "*CORBA Components Collocation Optimization Enhanced with Local ORB-Like Services Support*", Lecture Notes in Computer Science (LNCS), No. 3291, Springer-Verlag, pp. 1143-1148, October 2004.

Refereed Conference Papers

1. Termeh Dehghan, **Hossein Momeni**, "A Machine-Learning based Malware Prediction of PDF files using Decision Tree Approach" 20th IEEE International Symposium on Artificial Intelligence and Signal Processing (AISP) 21-22 February, 2024, Mazandaran University of Science and Technology, Babol, Iran, 2024.

2. Shayan Shahini, **Hossein Momeni**, "Autoencoder-based Anomaly Detection in Micro services using Distributed Tracing" 20th IEEE International Symposium on Artificial Intelligence and Signal Processing (AISP) 21-22 February, 2024, Mazandaran University of Science and Technology, Babol, Iran, 2024.

3. Mohammad Mahdi Moayeri, **Hossein Momeni**, "An Intelligent Caching Approach in Mobile Edge Computing Environment" 20th IEEE International Symposium on Artificial Intelligence and Signal Processing (AISP) 21-22 February, 2024, Mazandaran University of Science and Technology, Babol, Iran, 2024.

4. Nahid Mabhout, **Hossein Momeni**, "A Hybrid Meta-heuristic Approach to Cope with State Space Explosion in Model Checking Techniques" The 23nd National Annual CSI Conference of the Computer Society of Iran, Sharif University of Technology, March 1-2, 2018, Tehran, Iran.

5. Nahid Rezaei, **Hossein Momeni**, "Energy-aware Real-Time Tasks Scheduling based on Dynamic Scalable Virtual Machines in Cloud Computing Environment" The 23nd National Annual CSI Conference of the Computer Society of Iran, Sharif University of Technology, March 1-2, 2018, Tehran, Iran.

6. Abolfazl Madadi, **Hossein Momeni**, " Energy-ware Load Balancing Establishment in Cloud Computing Using Biogeography Base Optimization Algorithm(BBO)" The 22nd National Annual CSI Conference of the Computer Society of Iran, Sharif University of Technology, March 11-13, 2017, Tehran, Iran.

7. **Hossein Momeni**, Hashem Mohammadi, " Load Balancing in Cloud Computing Environment using GA-ACO Approach" 3rd International Conference on Applied Research in Computer and IT, Tehran, February, 2016.

8. **Hossein Momeni**, Fatemeh Tabarsa, " Distributed Real-Time Power Consuming Scheduling in Smart Grid" The first Conference on Advances and Challenges in Science, Engineering and Technology, Shiraz, Iran, January, 2016.

9. **Hossein Momeni**, Ensieh Davoudipour, "Web Crawler Functionality Improvement using WTF-IDF method," 2nd International Congress of Electrical Engineering, Computer Science and Information Technology, Tehran, Iran, July 2015

10. **Hossein Momeni**, Ensieh Davoudipour, "Web Crawler: An Investigation of Bahaviors and Policies and Architecthures of Web Crawlesrs," 2nd International Congress of Electrical Engineering, Computer Science and Information Technology, Tehran, Iran, July 2015

11. **Hossein Momeni** and Elham Zinati, " A Game Theoric-based Approach to Workflow Scheduling and Assignment for Cloud Computing Environment" The 7th International Conference on Informtion and Knowledge Technology(IKT2015), Urmia University, Iran, 26 May 2015.

12. Zahra Neishabouri and **Hossein Momeni**, " A Genetic Algorithm-based Approach to Predecting Reliability in Web Services" The 7th International Conference on Informtion and Knowledge Technology(IKT2015), Urmia University, Iran, 26 May 2015.

13. **Hossein Momeni** and Maryam Kardgar, "TETS: Time and Energy-aware Task Scheduling in Cloud Computing Systems" National Conference on Information & Communication Technology, Tehran, Iran, February 2015.

14. **Hossein Momeni** and Mehdi Manavi, "Optimal Software Component Selection in CBSE using Genetic Algorithm" National Conference on Information & Communication Technology, Tehran, Iran, February 2015.

15. Bahare Mohajer, **Hossein Momeni** and Soheila Karbasi, "Distributed Data warehousing with MRD Solution in Cloud Computing Environment" National Conference on Information & Communication Technology, Tehran, Iran, February 2015.

16. **Hossein Momeni** and Maryam Geraeli Sheikh, " Regression Test Cases Prioritization based on Cost-aware" Second Conference on Computer Science and Information Technology (CITConf), Tehran, Iran, February 2015.

17. Mahnaz Vahmiayn, Rouhollah Yousefpour and **Hossein Momeni**, "Applying Artificial Neural Networks for Face Recognition to AdaBoost Method" Second Computer Conference Science on Computer and Information Technology , Tabriz, Iran, November 2014.

18. **Hossein Momeni** and Maryam Geraeli Sheikh, " CAHB: An approach to Selecting and Prioritization of Regression Testing" Second Computer Conference Science on Computer and Information Technology , Tabriz, Iran, November 2014.

19. **Hossein Momeni** and Vahideh Amiri " QoS-aware Task Assignment in Cloud Computing Environment using Exchange Market Algorithm" Second Computer Conference Science on Computer and Information Technology , Tabriz, Iran, November 2014.

20. **Hossein Momeni**, Hadi Salimi and Farzaneh Rahmani, "Design and Implementation of Domain Specific Language to Software Testing" The 6th Conference on Information and Knowledge Technology (IKT2014), Shahrud, Iran, 2014.

21. Bahareh Asadi, Marjan Mohamadzadeh, **Hossein Momeni** and Hamed Mirkarimi, "Investigate the Affecting Factors on Selecting of Gorgan Natural Tourist Areas: Decision Support System", The 4th International Conference on Environmental Challenges and Dendrochronology, Sari, Iran, May, 2014.

22. Seyed Hossein Khalili, **Hossein Momeni**, "A New Method to Clustering of Test Data Set using Imperialist Competitive Algorithm" The 1st National Conference on Science, Engineering and New Idea, April 2014.

23. Seyed Hossein Khalili, **Hossein Momeni**, "Test-Based Development GUI using UML" The 1st National Conference on Science, Engineering and New Idea, April 2014.

24. Bahareh Asadi, Marjan Mohamadzadeh, **Hossein Momeni** and Hamed Mirkarimi, " The Role of Decision Support System to Tourist Guidance in order to Selecting Appropriate Places" 1st National Conference on Planning of Environmental, Hamedan, Iran, March 2014.

25. Mohammad Rezaqolipour, **Hossein Momeni** and Hadi Kamfar, " Application of Fuzzy Logic in Software Development" 1th National Innovation Conference on Computer Engineering and Information Technology, Tonekabon, December 2013.

26. Hassan Fazli and **Hossein Momeni**, "A Method to Reducing Cost of Running the E-Commerce Strategy Using Cloud Computing Services" 1th National Innovation Conference on Computer Engineering and Information Technology, Tonekabon, December 2013.

27. Ayda Mazandarani and **Hossein Momeni**, "Autonomous Self-Testing to Managing of Virtual Resources in Cloud Environment" 1st National Innovation Conference on Computer Engineering and Information Technology, Tonekabon, Iran, December 2013.

28. Ayda Mazandarani, Ali Yavari and **Hossein Momeni**, "Scientific Workflow Scheduling in Cloud Environemnt" 1st National Innovation Conference on Computer Engineering and Information Technology, Tonekabon, Iran, December 2013.

29. Ayda Mazandarani and **Hossein Momeni**, "A QoS-aware Validation Architecture in Cloud Environment" 1st National Innovation Conference on Computer Engineering and Information Technology, Tonekabon, Iran, December 2013.

30. Hassan Fazli and **Hossein Momeni**, " A Proposed Model to Comparison Artificial Neural Network and Bayesian Network in Data Mining-based Intrusion Detection System" 1st National Innovation Conference on Computer Engineering and Information Technology, Tonekabon, Iran, December 2013.

31. Mohammad Rezaqolipour and **Hossein Momeni**, "Constructing Software Testing Model using Bayesian Networks and Testing Metrics" 1st Technical Conference on Science, Technology and System of Electrical Engineering, Tehran, Iran, October 2013.

32. Mohammad Rezaqolipour and **Hossein Momeni,** " Software Testing Modeling using Bayesian Networks" 1st National Conference in Computer Engineering and Information Retrieval, Roodsar, Iran, October 2013.

33. Mansoureh Younesi, Mahsa Boustani and **Hossein Momeni**, " A Model-based Approach to Performance Testing of Web-based Application using Petri Nets" 1st National Conference in Computer Engineering and Information Retrieval, Roodsar, Iran, October 2013.

34. Fatemeh Mahdavi and **Hossein Momeni**, " Automated Web Service Generation using Fuzzy Genetic Approach" 8th Symposium on Advances in Science and Technology, Mashhad, Iran, December 2013.

35. Hassan Fazli and **Hossein Momeni**, "Comparison Study of Decision Tree and Support Vector Machines - based Data Mining Algorithms for Intrusion Dete ction" 8th Symposium on Advances in Science and Technology, Mashhad, Iran, December 2013.

36. Hassan Fazli and **Hossein Momeni**, "Comparison Study of Rule and Support Vector Machines -based Data Mining Algorithms for Intrusion Detection" 8th Symposium on Advances in Science and Technology, Mashhad, Iran, December 2013.

37. Hassan Fazli and **Hossein Momeni**, "Comparison Study of Lazy and Support Vector Machines -based Data Mining Algorithms for Intrusion Detection" 8th Symposium on Advances in Science and Technology, Mashhad, Iran, December 2013.

38. Hassan Fazli and **Hossein Momeni**, "Comparison Study of Bayesian Network and Support Vector Machines -based Data Mining Algorithms for Intrusion Detection" 8th Symposium on Advances in Science and Technology, Mashhad, Iran, December 2013.

39. Hassan Fazli and **Hossein Momeni**, "Comparison Study of Artificial Neural Network and Support Vector Machines -based Data Mining Algorithms for Intrusion Detection" 8th Symposium on Advances in Science and Technology, Mashhad, Iran, December 2013.

40. Mahtab Larimi, Homayn Motameni and **Hossein Momeni**, " A Novel Approach to Prioritization of Software Quality Requirements using Neuro-Fuzzy System" 10th National Conference on Computer and Intelligent Systems, Tabriz, Iran, September 2013.

41. Hassan Fazli and **Hossein Momeni**, " A Model-based Approach to Graphical User Interface Testing" 16th Iran"s Electrical Engineering Student Conference, Kazeroon, Iran, September 2013.

42. Hassan Fazli and **Hossein Momeni**, " Security Consideration to Model Driven Architecture in Software Developmnet" 16th Iran"s Electrical Engineering Student Conference, Kazeroon, Iran, September 2013.

43. Mahtab Larimi and **Hossein Momeni**, "Novel approach to Software Size Estimation based on Goal Driven Extended Use Case Point", 13th Iranian Conference on Fuzzy Systems, Qazvin, Iran, August 2013.

44. Zohreh Mansuri and **Hossein Momeni**, "An Adaptive Process Model based on Model Driven Architecture", The 5th Conference on Information and Knowledge Technology (IKT2013), Shiraz University, Shiraz, Iran, May 2013.

45. Moein Lahashinejhad and **Hossein Momeni**, "A Distributed Approach to Fighting State Space Explosion in Model Checking Technique Using Map Reduce Framework", The 5th Conference on Information and Knowledge Technology (IKT2013), Shiraz University, Shiraz, Iran, May 2013.

46. Zahra Karimian and **Hossein Momeni**, " A Secure Architecture to Software Testing Services in Cloud Computing", The 5th Conference on Information and Knowledge Technology (IKT2013), Shiraz University, Shiraz, Iran, May 2013.

47. Zahra Karimian and **Hossein Momeni**, "A Reliable Software Testing Architecture for Cloud Computing Environment" National Congress on Electrical, Computer and Information Technology Engineering, Mashhad, Iran, 2013.

48. Zohreh Mansuri and **Hossein Momeni,** "Umbrella Activities Development in Model Driven Architecture Methodologies" 1st National Conference on Computer Science, Engineering and Information Technology, Shiraz, Iran, 2013.

49. Moein Lahashinejhad and **Hossein Momeni**, " Reducing State Space in Model Checking Approach using Symbolic Model" 1st National Conference on Computer Science, Engineering and Information Technology, Shiraz, Iran, 2013.

50. Zeynab Zabihi, Ali Yavari and **Hossein Momeni**, " Risk Rate Assesment in Software Development Projects using Fuzzy Approach" International Conference on Non-linear Modeling and Optimization, Shomal University, Amol, Iran, August 2012.

51. Mehdi Ebrahimi, Shahram Barghi and **Hossein Momeni**, "A User Interface Validation Approach in Web Application" International Conference on Computer Communication and Information Technology (CSCCIT 2011), Tabriz, Iran, 2011.

52. Milad Jalalimehr, Mahyar Tehrani and **Hossein Momeni**, " Random Testing of Database Application using Water Flow Technique", International Conference on Computer Communication and Information Technology (CSCCIT 2011), Tabriz, Iran, 2011.

53. Mahbubeh Esfahani and **Hossein Momeni**, "A Flexible Development Model for Platform-as-Service in Cloud Computing", International Conference on Computer Communication and Information Technology (CSCCIT 2011), Tabriz, Iran, 2011.

54. Shiva Khalili, Shadi Hajibagheri and **Hossein Momeni**, "User Input Validation Testing of Web Application using XML Schema", International Conference on Computer Communication and Information Technology (CSCCIT 2011), Tabriz, Iran, 2011.

55. Mona Lotfi and **Hossein Momeni**, "An Framework to Evaluation of Component Quality in Component-based Software Development", International Conference on Computer Communication and Information Technology (CSCCIT 2011), Tabriz, Iran, 2011.

56. Khadijeh FarhadianFard, Shabboo Mohammadiani and **Hossein Momeni**, " Reduction of State Space in Model Checking Technique using Binary Decision diagram", International Conference on Computer Communication and Information Technology (CSCCIT 2011), Tabriz, Iran, 2011.

57. Maedeh Tashakorian, Farnaz Zeidi and **Hossein Momeni**, "A Weighted Graph-based Approach for Test Case Prioritization of Web Service Regression Testing", International Conference on Computer Communication and Information Technology (CSCCIT 2011), Tabriz, Iran, 2011.

58. Zahra Mansouri, Elham Habibzadeh and **Hossein Momeni**, "VEX: A New Approach to Performance Testing of Web Applications" , International Conference on Computer Communication and Information Technology (CSCCIT 2011), Tabriz, Iran, 2011.

59. Morteza Okhovvat, Mohsen Sharifi and **Hossein Momeni**, "Task Allocation to Actors in Wireless Sensor Actor Networks: An Energy and Time Aware Technique", World Conference on Information Technology 2010 (WCIT 2010), Bahcesehir University, Istanbul, Turkey, October 6-10, 2010.

60. **Hossein Momeni**, Vahid Rafe and Mohsen Sharifi, "Energy-aware Task allocation in Wireless Sensor Actor Networks", The 2nd International Conference on Computer and Electrical Engineering (ICCEE 2010), Dubai, UAE, December, 28-30, 2009.

61. **Hossein Momeni**, Mohsen Sharifi and Saeid Sedighian, "A New Approach to Task Allocation in Wireless Sensor Actor Networks", The 2009 IEEE International Conference on Computational Intelligence, Communication Systems and Networks (CICSyn2009), Indore, India, July 23-25, 2009.

62. **Hossein Momeni**, Vahid Rafe, Mohsen Sharifi and Adel Torkaman Rahmani, "A Graph Transformation-Based Approach to Task Allocation in Wireless Sensor Actor Networks", The 21st IEEE International Conference on Software Engineering and Knowledge Engineering (SEKE2009), Boston, USA, July 1-3, 2009.

63. Saeed Sedighian, Mohsen Sharifi, Vahid Azhari and **Hossein Momeni**, "Service Requirements for Actor-Actor Coordination through Sensor Nodes in Wireless Sensor Actor Networks", Fifth International IEEE Conference on Innovations in Information Technology (Innovations08), Al Ain, United Arab Emirates, December 2008.

64. **Hossein Momeni**, Omid Kashefi and Hadi Sharifi, " How to Realize self healing Operating Systems? **",** The 3rd IEEE International Conference on Information and Communication Technologies: from Theory to Applications (ICTTA'08), Damascus, Syria, 7-11 April 2008.

65. Mohsen Sharifi and **Hossein Momeni**, "Providing Local Event Services to CORBA Collocated Components", In Proceedings of 11th Annual International Computer Society of Iran Computer Conference (CSICC'06), Institute for Studies in Theoretical Physics and Mathematics (IPM), Tehran, Iran, January 24-26, 2006.

66. **Hossein Momeni**, Mohsen Sharifi, Adel Torkaman Rahmani and Vahid Rafe, "Providing Local ORB-Like Services to Collocated CORBA Components", In Proceeding of the IEEE Conference on Cluster and HeteroPar(Cluster2005), Boston, Masachusete, USA, 2005.