

Curriculum Vitae (CV)

Sima Emadi

Faculty of Computer Engineering Department.
Azad University, Maybod Branch, Yazd, Iran.

Tel: +98-351-7770161
+989133532256
Emadi@maybodiau.ac.ir
Au_emadi@yahoo.com
Fax: : +98-352-7780963

CURRENT POSITION

- Assistant Professor at the Department of Computer Engineering, Islamic Azad University Maybod Branch, Yazd, IRAN from Feb. 1998.
- Manager of Software Computer Engineering Department, Islamic Azad University Maybod Branch, Yazd, IRAN, from Feb. 1998 to Feb. 2006.
- Manager of Software Computer Engineering Department, Islamic Azad University Maybod Branch, Yazd, IRAN from 2011 up to now.
- Manager of Computer Engineering Department, Islamic Azad University Science and Research Yazd Branch, Yazd, IRAN, from 2010 up to now.

EDUCATION

- Bachelor of Software Computer Engineering from Islamic Azad University Maybod Branch, Yazd, IRAN 1995.
- Master of Software Computer Engineering from Islamic Azad University, NajafAbad Branch, Esfahan, IRAN 1997.
- Doctor of Philosophy of Software Computer Engineering at Islamic Azad University, Science and Research Branch, Tehran, IRAN, 2008.

RESEARCH INTERESTS

Software Engineering: Software Architecture, Enterprise Architecture, Service Driven Architecture, Agile Methodologies, Ultra-Large-Scale (ULS) Systems, Fault Tolerance Software Engineering.

PUBLICATIONS

Selected Journal

1. Mirjalily, G.; Emadi, S.; "Effects of the Failed Local Detectors on the performance of Detection Networks", Engineering Journal of Tabriz University, Tabriz University, Iran, Vol. 28, pp. 59-65, Sept. 2002.
2. Emadi, S., Shams, F., "Executable Model of Software Architecture and Application of It at Software Development Process", Iranian Journal of Gozareshe Computer, Vol. 166, Feb. 2004.
3. Emadi, S., Shams, F., "Performance Evaluation and UML Diagrams", Iranian Journal of Gozareshe Computer, Vol. 176, Feb. 2007.
4. Emadi S and Shams F (2008) An approach to non-functional requirements analysis at software architecture level. *Engg. J. Islamic Azad Univ., Mashhad Branch* (in Persian), 2(1), 65-79.
5. Emadi, Shams, "A New Executable Model for Software Architecture Based on Petri Net", ISI Indian Journal of Science and Technology, Vol.2 No. 9, Sep 2009.
6. Emadi, Shams, " Modeling of Component Diagrams Using Petri Nets", ISI Indian Journal of Science and Technology, Vol 3, No. 12, December 2010.
7. Emadi, Shams, "Framework for Filling the Gap between System Architect and Analyzable Models", International Review on Computer and software journal, March 2010, Vol 5, No. 2, PP. 225- 232.
8. Golnaz Aghaee, Seyed Mehran Sharafi, Sima Emadi, "Performance Modeling of Heterogeneous Software Architecture Styles", International Review on Computer and software journal, March 2010, Vol 5, No. 6, PP. 652-659.
9. Emadi, S., Shams, F., "A New Executable Model of Software Architecture for Performance Evaluation", The CSI Journal on Computer Science and Engineering Vol. 7, No. 1 & 3 (a), 2009.
10. Sima Emadi, Golnaz Aghaee Ghazvini, "A New Algorithm for Performance Evaluation of homogeneous Architectural Styles", Journal of Advances in Computer Research Sari Branch, Islamic Azad University, Sari, Iran
11. Sima Emadi, Raziye Hatami Hanza, "Critical Factors in the Effective of Service-Oriented Architecture" , ACSIJ Advances in Computer Science: an International Journal, Vol. 2, Issue 3, No. ,pp. 26- 30. 2013.
- 12.

Selected Conferences

1. Mirjalily, G.; Emadi, S.; "Effects of the Failed Local Detectors on the performance of Detection Networks", 10th Int. ICEE Conf., Tabriz University, Iran, Vol. 2, pp. 266-273, May 2002.

2. Emadi, S.; Mirjalily, G.; Moghadam, N.A.; "Expert System Design for Proper Communication Channel Selection", 6th Int. ICEE Conf., K.N. Toosi University, Iran, Vol. 4, pp. 271-276, May 1998.
3. Emadi, S., Shams, F., "Refining CRC cards to evaluate software architecture", Computer Society of Iran Computer Conference 2007, CSICC'07 Shahid Beheshti University, Tehran, IRAN.
4. Emadi, S., Shams, F., "A Comparison of Software Architecture Evaluation Methods", 3th National Conference of Islamic Azad University, Yazd, Iran, 2004.
5. Emadi, S., Shams, F., "Performance Evaluation of Software Architecture", 3th National Conference of Islamic Azad University, Yazd, Iran, 2004.
6. Emadi, S., Teshnelab, M., "A New Approach for Image Enhancement Based On Fuzzy Logic", 2004.
7. Emadi, S., Teshnelab, M., Mirjalily, G., "New Fuzzy Image Enhancement by Adaptive Parameter Selection", 6th Conf. on Intelligent Systems, University of Kerman, Iran, Nov. 2004.
8. Emadi, Shams, "A Comparison of Petri net based approaches Used for specifying the executable model of software architecture", IAENG International multi Conference of engineers and computer scientists, Hong Kong, 21-23 March, 2007.
9. Emadi, Shams, "An approach to Non-Functional Requirements Analysis at Software Architecture Level", The 8th IEEE International Conference on Computer and Information Technology University of Technology, Sydney, Australia 8 July 2008 - 11 July 2008.
10. Emadi, Shams, "General Syntax for Extensions of Petri Nets", the third International Conference on Mathematical Sciences, ICM 2008, the United Arab Emirates University, Al-Ain, UAE on March 3-6, 2008.
11. Emadi, Shams, "From UML Component Diagram to an Executable Model Based on Petri Nets", ITSim'08, 3rd international symposium on information technology, Malaysia, Kebangsaan , p. 2780-2787, 2008.
12. Emadi, Shams, "Mapping annotated use case and sequence Diagrams to a Petri Net Notation for Performance Evaluation", in 2nd International Conference on Computer and Electrical Engineering (ICCEE 2009), 2009.
13. Emadi, Shams, "Transformation of Usecase and Sequence Diagrams to Petri Nets", IITA International Conference on Communication Systems, Networks and Applications (ICCSNA) 8-9 August 2009.

14. Emadi, " Mapping Annotated Sequence Diagram to a Petri Net Notation for Reliability Evaluation ", The 2nd International Conference on Education Technology and Computer (ICETC 2010), 22-24 June- 2010.
15. Emadi, Shams, "Mapping sequence Diagram to a Petri Net Notation for Performance Evaluation", international advance symposium on enterprise integration and information architecture, March 2010, kish island.
16. Seyed Mehran Sharafi , Golnaz Aghaee, Sima Emadi, "An Analytical Model for Performance Evaluation of Software Architectural Styles" , ICSTE 2010, 2nd International Conference on Software Technology and Engineering, October 3-5, 2010, San Juan, Puerto Rico, USA.
17. Golnaz Aghaee, Seyed Mehran Sharafi, Sima Emadi, "An Approach for Performance Evaluation of Batch-sequential and Parallel Architectural Styles" , ICIFIT 2010, International Conference on Future Information Technology, December 2010, Changha, China
18. Golnaz Aghaee, Seyed Mehran Sharafi, Sima Emadi, "A New model to performance evaluation of software architecture styles", ICCIS 2010, International conference on Computational and Information Sciences, 2010, China
19. Hashemi, M. Emadi, S., "Software design styles", 2th national conference on soft computing and information technology, Islamic azad university, mahshahr branch, 2012.
20. Falahati, M, Emadi, S., "Survey On Reusable engineering and role of it in Software Development Engineering", national conference on software engineering, Sama, Roudhen, 2012.
21. Aghayee, E., Salajeghe, A., Emadi, S., "Comparision of Web Service Discovery Approaches in SOA Based on Non-Functional Requirement", national conference on software engineering, Sama, Roudhen, 2012.
22. Raziye Hatami Hanza, Sima Emadi, "A New Critical Factors in the Effective of Service-Oriented Enterprise Architecture", national conference on Science and Computer engineering. Islamic Azad University, Najaf Abad, IRAN.
23. Sima Emadi, Raziye Hatami Hanza, "Effective Critical Factor analysis in service Oriented Architecture implementation", National Conference on Application of Intelligent Systems (soft computing) in Science and Technology, Islamic Azad University, Ghoochan, IRAN, 2013.
24. Sima Emadi, Azadeh Ziaee, "Mapping state and activity diagram to hierarchical automata", Islamic Azad University, Roudsar & Amlash, IRAN, 2013.

COURSES TEACHING

- Advanced Software Engineering
- Software Engineering I & II
- Programming Languages Design & Implementation
- Advance Programming with c++/c#
- Software Fault Tolerance Design

RESEARCH PROJECTS

1. A New Software Architecture Executable Model for Reliability Evaluation Based On Petri Nets, 2009-2010.
2. A New Executable Model of Software Architecture styles for performance Evaluation Based on Markov Chain, 2010-2012.