Negar Majma

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Current Position

Naghshejahan Institute of Higher Education
Lecturer and Head of the Department of Computer, Sep. 2010.- present

Selected Publications

Journals:

- ***N. Majma,*** *S.M. Babamir,* ***Model-Based Monitoring and Adaptation of Pacemaker Behavior Hierarchical Fuzzy Colored Petri-nets,*** *IEEE Transaction on System, Man, and Cybernetics: system, 2018.*

- ***N. Majma,*** *S.M. Babamir, A. Monadjemi, Runtime* ***Verification of Pacemaker Functionality using Hierarchical Fuzzy Colored Petri-nets***, *Journal of Medical System, Mobile System, 2017.*

- **N. Majma,** S.M. Babamir, **Specification and Verification of Medical Monitoring System Using Petri-nets,** Journal of Medical Signal & Sensors, 2013.

- **N. Majma,** A. Baraani, **CSSM: Concept and Structural Similarity Method**, Journal of theoretical and Applied Information Technology, 2009.

Conferences:

- **N. Majma,** S.M. Babamir, A. Monadjemi, **Utilizing Fuzzy Colored Petri-net to Monitor Cardiac Pacemaker Behavior,** 10th International Conference on Application of Information and Communication Technologies, 2016.

- **N. Majma**, S.M. Babamir**, A. Monadjemi, **Runtime Verification of Pacemaker Using Fuzzy Logic and Colored-Petri-nets**, 4th Iranian Joint Congress on Fuzzy and Intelligent systems, 2015.

- **N. Majma**, S.M. Babamir**, Cloud-based runtime Verification of Health-caring System Using Software Agents**, ISSRE 15 Proceeding of the 2015 IEEE International Symposium on Software Reliability Engineering Workshop, 2015.

- **N. Majma,** S.M. Babamir, **Medical Software Runtime Checking using Petri-nets & Software Agents, 4th** International Conference on Computer and Knowledge engineering, 2014.

- **N. Majma**, S.M. Babamir**, Neural Network-Based Metaheuristic: A Method to Prioritizing Software Test Case**, Metaheuristics and Engineering proceeding of the 15th EU/ME workshop, 2014.

- **N. Majma**, S.M. Babamir**, Software Test Case Generation Using Neural Network**, The 22nd Iranian Conference on Electrical Engineering, 2014.

Conferences in Persian Language:

- **N. Majma,** S.M. Babamir**, A. Monadjemi**, A Learning-based agent-oriented method to control and implimented of pacemaker operation,** in *Journal of Electrical and Computer enginerring(IJECE), vol. 15(4), pp. 257-271, 2017.*

- **N. Majma,** S.M. Babamir**, Distributed Software Oracle using Distributed Neural Network,** SoftSec2014, 2014.

- **N. Majma,** S.M. Babamir, **Distributed Test Case Generation using Neural Network,** National Conference on Computing and Information Technology: The New Frontiers and Shifting Trends, 2013.

- **N. Majma,** S.M. Babamir, **Software Oracle in Medical Devices using Neural Network,** National Conference on computer and Intelligent Systems, 2013.

- **N. Majma,** S.M. Babamir, **Risk Management in Software Project using Colored Petr-net,** International Conference on information and knowledge technology, 2013.

- **N. Majma,** M.R. Khayambashi, **E-Government Website Security,** International Conference on e-commerce,2008.

- **N. Majma,** M.R. Khayambashi, **A Model for e-government website,** International Conference on E-city, 2007.

- **N. Majma, WebML (Web Modeling Language),** Information Technology, Software and E-City, 2004.

Work Experience
- *2002 (Jan)- 2004 (Jun): B.Eng. computer engineering-software at Azad university.*
- *2002 (Jul.) – 2005 (Feb.): Part-time working at Isfahan municipality ICT org. as a web developer.*
- *2004 (Mar.) – 2004 (Feb.): Part-time working at Behaco Co. as lecturer.*
- *2005 (Sep.) – 2010(Jun): Part-time working at Industrial management institute as a lecturer.*
- *2007 (Sep.) -2009 (Jan.): M.Sc. computer engineering at Sheykhbahee university.*
- *2008(Sep.)- 2010(Jun.): Part-time working at Sama khorasgan university as lecturer.*
- *2009 (May.): Part-time working at Iran technical and vocational triaging organization as a practical tester.*
- *2009 (Jul.) – 2010(Aug.): Fulltime working at Parsnazhin Company as system analyzer.*
- *2010 (Sep.)- 2012(Aug.): Fulltime at Naghshejahan higher education institute as a faculty member of computer engineer department.*
- *2012 (Sep.)- 2017(Feb.): Ph.D. computer engineering-software at Kashan university.*
- *2017(Sep.) – till now: Fulltime working at Naghshejahan higher education institute as an assistant professor in computer engineer department*

Research Experience
- *Researcher on Distributed system, software engineering and cloud computing in the computer lab. of Naghshejahan higher education institute from 2010 till now*
- *Researcher on software testing on medical devices in the distributed system Lab. of Kashan university from 2012- 2017*

Other work Experience
- *Member of a team at Isfahan Science and Technology Town (2007-2009).*
- *Member of the Board at Iran ICT Guild Organization Isfahan Province (2008-2019).*
- *Project manager and consulter at KEYCO. (2013).*
- *Consulter at Novin Sepehr Sunnyar Co. (2014)*