Curriculum Vita

Saeed Jalili (PhD)
Associate Professor
Computer Engineering Department
Electrical and Computer Engineering Faculty
Tarbiat Modares University

Taught Courses
- Graduate Courses : Advanced Machine Learning, software Architecture Analysis & Design, Advanced Symbolic Processing, Advanced Operating System, Advanced Software Engineering, Knowledge Based Systems, Symbolic Processing
- Undergraduate Courses : Artificial Intelligence, Comparative Programming Languages, Software Engineering

Research Interests
1- Machine Learning (Data Mining)
2- Security
   - Intrusion Detection Systems
   - Cryptography Protocol Verification
   - Security Policies and Security Devices Configuration Conformance Verification
   - Software Watermarking
   - Anomaly Detection in Ad Hoc Wireless Networks
3- Software Engineering
   - Search-based Software Design
   - Software Runtime Verification
   - Software Architecture Design & Evaluation
   - Automatic Test Case Generation and Automatic Testing
   - Source Code and Architecture Conformance Verification
   - Automatic Software Design Using Design Patterns
4- Text Classification
5- Web Pages
   - Antology-based Web Annotation
   - Antology-based Semantic Webs
6- Virtual Environments
7- Computer Networks
   - Traffic Engineering and QoS
   - Enhancing Routing Protocols in Ad Hoc Wireless Networks

Journal Papers

1. S.Jalili and M.Abadi, ' An Ant Colony Optimization Algorithm for Network Vulnerability Analysis', Iranian Journal of Electrical and Electronic, PP.106-120, Vol.2, No.3-4, July 2006
2. S.Jalili and M.Abadi, ' using binary particle swarm optimization for minimization analysis of Attack Graphs', Scientica Iranica, PP.605-619, Vol.15, No.6, November-December 2008
3. S.Jalili and M.Abadi, 'Minimization Analysis of Network Attack Graphs using Genetic Algorithms', International Journal of Computers and their Application, PP.263-273, Vol.15, No.4, December 2008
4. S.Jalili and N.Khakpour, 'Verification of Distributed Firewalls Configuration VS Security Policies Using ICQL', Applied artificial Intelligence An International Journal, PP.945-975, Vol.23, No.11, November 2009
5. S.Jalili and M.Babamir, 'Synthesizing Specification-based Monitor for Safety Requirements', Iranian Journal of Science & Technology, PP.235-256, Vol.23, No.3, June 2010
6. S.Jalili and M.Babamir, 'Making real-time Systems fault Tolerant: a Specification-based Approach', Journal of Scientific & Industrial Research, PP.501-509, Vol.69, No.7, July 2010
7. S.Jalili, G.Shahmohamadi and S.M.Hasheminejad, ' Identification of System Software Components Using Clustering Approach', Journal of Object Technology, PP.77-98, Vol.9, No.6, November 2010
8. S.Jalili and S.Goliaei, 'An Optical Solution to the 3 -SAT Problem using Wavelength Based Approach', Journal of Super Computing, November 2010

Conference Papers

1. S.Jalili and M.Abadi, 'Applying Genetic Algorithms for Minimization Analysis of Network Attack Graphs',11th ICCSI, 2006
2. S.Jalili ans M.A.Khan, ' Tracing Anonymous Packets to Their Sources: Based on Packet Marking',11th ICCSI, 2006
3. M.Valizadeh, E.Kabir and S.Jalili, 'Fusion of Gabor and co-occurrence texture features for document image regions classification', 2nd Conference on Fuzzy System and Intelligent, 2006
4. S.Malakoutikhah and S.Jalili, ' Integration of Aspect-Oriented and Domain Engineering to Improve Artifacts Reusability', 15th ICEE, 2007
5. M.Valizadeh, E.Kabir and S.Jalili, 'An efficient hierarchical method for text region extraction in degraded document images', 5th Conference of Image Processing and Machin Vision, 2008
6. S.Jalili and N.Khakpour, 'using supervised and transductive learning techniques to extract network attack scenarios', 14th ICCSI, 2009
7. M.Shahverdi, S.Jalili and A.Badkoubi, 'Expert system in activated sludge process', Water Pollution VII, 2003

8. S.Jalili and M.Babamir, 'Dynamic Analysis of Object-Oriented Programs Using State Machines and ECA Rules', ISCA, 14th International Conference on Intelligent and Adaptive System and, 2005

9. S.Jalili and M.Abadi, 'Network Intrusion Detection Using One-Class Classification', IST2005, International Symposium on Telecommunications, 2005

10. S.Jalili and M.Abadi, 'Automatic Discovery of Network Attack Senarios Using SPIN Model Checker', IST2005, International Symposium on Telecommunications, 2005

11. S.Jalili and M.Babamir, 'Monitoring Message Ordering in Group Communication Using RunTime Verification', IST2005, International Symposium on Telecommunications, 2005

12. S.Jalili and M.Babamir, 'A Logical Based Approach to Detection of Intrusions against Programs', ICGeS2006, Global e-Security, 2nd Annual International Conference, 2006

13. S.Jalili and M.Abadi, ' Analyzing Network Attack Graphs Using Ant Colony Optimization', ICGeS2006, Global e-Security, 2nd Annual International Conference, 2006

14. S.Jalili and M.MirzaAghaei, 'RVERL : Runtime Verification of Real-time and Reactive Programs with Real-time Logic Approach', The 2007 International Conference on Software Engineering Research, 2007

15. S.Jalili and M.MirzaAghaei, 'RVERL : Runtime Verification of Real-time and Reactive Programs using Event-based Real-time Logic', The 2007 International Conference on Software Engineering Research, 2007

16. S.Jalili, M.Abadi and P.Mahdabi, 'A multi-start quantum-inspired evolutionary algorithm for solving combinatorial optimization problems', GECCO'.8, 2008

17. P.Mahdabi, S.Jalili and M.Abadi, 'A Novel Quantum-Inspired Evolutionary Algorithm for solving Combinatorial Optimization Problems', GECCO'09, 2009

18. N.Armanfard, S.Jalili, R.KomeiliFonod and E.Kabir, 'A non-parametric pixel-based background modeling for dynamic acenes', ACTEA2009, 2009

19. M.Khaxar, S.Jalili and N.Khakpour, 'Monitoring Safety Properties of Composite Web Services at runtime using CSP', Enterprise Distributed Object Computing Conference Workshops, 2009

20. S.Jalili and H.Ahmadinejad, 'Alert correlation using correlation probability estimation and time windows', IEEE Int. Conference on computer technology and development, 2009

21. S.Goliaei and S.Jalili, 'An Optical Wavelength-Based Solution to the 3-SAT Problem', 2nd International Workshop on Optical superComputing, 2009

22. S.Jalili, N.Khakpour, C.Talket, M.Sirjani and M.Mousavi, ' PobSAM: Policy-based Managing of Actors in Self-Adaptive Systems', 6th workshop on Formal Aspects of Component Software. FACS 2009, 2009

23. S.Jalili and H.Ahmadinejad, 'Correlating Alerts into Compressed Graphs Using an Attribute-Based Method and Time Windows', Security Technology - Future Generation Information Technology, 2009