CURRICULUM VITAE

GHASEM MIRJALILY

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IEEE Senior Member

Contact information

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Education Background

1994-2000: Ph.D., Electrical Engineering-Telecommunications
GPA: 18.66 out of 20, Rank: First among 4 students

1992-1994: M.Sc., Electrical Eng.-Telecommunications
GPA: 18.39 out of 20, Rank: First among 12 students

1987-1991: B.Sc., Electrical Engineering-Electronics
GPA: 17.04 out of 20, Rank: Fourth among 95 attended students

Table 1- Number of research publications in different categories

Category	Number
Journal Papers published in English language	33
Conference Papers published in English language	59
Papers in progress in English language (under review or under preparation)	7
Other Publications in English language	2
Journal Papers published in Farsi (Persian) language	16
Conference Papers published in Farsi (Persian) language	67
Total	**184**

Table 2- Number of citations to published papers in English language *(google scholar)*

Category	Number
Total number of citations	699
Number of Papers	102
h-index: largest number h such that h publications have at least h citations	12
i-index: number of publications with at least 10 citations	18

Scholarships and Fellowships

Date	Duration	Position	Institute	Funding Organization
1995-2000	4.5 years	Ph.D. student	Tarbiat Modares University, Iran	Ministry of Science, Research and Technology, Iran
1998	9 months	visiting researcher	McMaster university, Canada	Ministry of Science, Research and Technology, Iran
2017	2 months	research scientist	Chinese University of Hong Kong, Shenzhen, China	Shenzhen Research Institute of Big Data (SRIBD), China
2018	2 months	research scientist	Chinese University of Hong Kong, Shenzhen, China	Shenzhen Research Institute of Big Data (SRIBD), China

Research Funds (as primary investigator)

No.	Date	Research Title	Funding Institute
1	2006-2008	Analysis, Optimal Design and Simulation of Yazd Metropolitan Area Network	Iranian Telecommunication Research Center and Iran Telecommunication Company
2	2005-2008	Design and Implementation of the Basic Computer Laboratory System	Yazd University, Iran
3	2009-2011	Spanning Tree and its Application in Next Generation Ethernet Networks	Yazd University, Iran

Academic awards

Year	Title	Institute
2002	Lectureship Competency Certificate	Tarbiat Modares University, Iran
2003	Distinguished Researcher	Faculty of Engineering, Yazd University, Iran
2008	Distinguished Researcher	Department of ECE, Yazd University, Iran
2008	Distinguished Researcher in Applied Researches	Yazd University, Iran
2008	Distinguished Researcher	Yazd Province, Iran
2014	Distinguished Researcher	Department of ECE, Yazd University, Iran
2018	Distinguished Professor	Department of ECE, Yazd University, Iran

Abroad Experiences

No.	Date	Role
1	1998	Visiting Researcher at McMaster University, Hamilton, Ontario, Canada
2	2017	Research Scientist at Shenzhen Research Institute of Big Data (SRIBD), Chinese University of Hong Kong, Shenzhen (CUHK-SZ), Shenzhen, China
3	2018	Research Scientist at Shenzhen Research Institute of Big Data (SRIBD), Chinese University of Hong Kong, Shenzhen (CUHK-SZ), Shenzhen, China

Paper review

No.	Name of Journal/Conference	Date	Number of papers
1	IEEE Transactions on Signal Processing	2003	1
2	IEEE Transactions on Network and Service Management	2020	1
3	IEEE Networking Letters	2018 2019 2020 2021	6
4	IEEE Access	2019 2021	2
5	Eurasip Journal on Wireless Communications and Networking	2019	1
6	International Journal of Communication Systems	2019 2020 2021	5
7	Ad Hoc Networks	2021	2
8	Vehicular Communications	2021	1
9	International Journal of Distributed Sensor Networks	2019	1
10	Physical Communication	2019	1
11	IET Communications	2008	1
12	Wireless Communications and Mobile Computing	2019	1
13	Wireless Personal Communications	2021	1
14	Concurrency and Computation: Practice and Experience	2019	1
15	International Journal of Information and Communication Technology Research (IJICTR)	2014	4
16	IEEE Iranian Conference on Electrical Engineering (ICEE)	2010 2018 2019	20
17	IEEE International Symposium on Telecommunications (IST)	2008	3
18	IEEE International Conference on Computer and Knowledge Engineering (ICCKE)	2013 2015	5
19	International Conference on Communication, Electrical and Computer Networks (ICCECN)	2019	1
20	Iranian Conference on Machine Vision and signal Processing	2008	3
Total number of papers reviewed			**61**

Editorial Board of Journals

No.	Duration	Journal	Institute	Website
1	2008-2018	International Journal of Information and Communication Technology Research (IJICTR)	ICT Research institute, Iran	http://journal.itrc.ac.ir/
2	2010-Now	Journal of Computational Intelligence in Electrical Engineering	Isfahan University, Iran	http://isee.ui.ac.ir/?lang=en
3	2011-Now	International Journal of Networks and Communications	Scientific & Academic Publishing Co., USA	http://journal.sapub.org/ijnc
4	2019-Now	Journal of Intelligent Procedures in Electrical Technology	IAU, Najafabad branch, Iran	http://jipet.iaun.ac.ir/?lang=en

Technical Program Committees

No.	Conference	Location	Date
1	10th International ISC Conference on Information Security and Cryptology (ISCISC)	Iran	Sept. 2013
2	4th International Conference on Signal and Image Processing (ICSIP)	China	July 2019
3	International Symposium on Computer Graphics, Multimedia, and Image Processing	Italy	July 2019
4	International Symposium on Computer Graphics, Multimedia, and Image Processing	Russia	Sept. 2020
5	5th International Conference on Vision, Image and Signal Processing (ICVISP 2021)	Malaysia	Dec. 2021
6	IFSA Winter Conference on Automation, Robotics & Communications for Industry 4.0 (ARCI)	Andorra	Feb. 2022
7	Int. Symposium on Measurement, Instrument and Electronic Engineering (ISMIEE2021)	China	Dec. 2021
8	27th Iranian Conference on Electrical Engineering (ICEE)	Iran	May 2019
9	28th Iranian Conference on Electrical Engineering (ICEE)	Iran	May 2020
10	29th Iranian Conference on Electrical Engineering (ICEE)	Iran	May 2021
11	IFSA Winter Conference on Automation, Robotics & Communications for Industry 4.0 (ARCI)	France	Feb. 2021
12	International conference on Smart Cities and Internet of Things (SCIoT)	Iran	Sept. 2020
13	International Conference on Internet of Things and Applications (IoT)	Iran	May 2021
14	International Conference on Communication, Electrical and Computer Networks (ICCECN)	Malaysia	Feb. 2020
15	International Conference on Internet of Things, Artificial Intelligence and Mechanical Automation (IoTAIMA)	China	May 2021
16	3rd World Symposium on Artificial Intelligence (WSAI)	China	June 2021
17	International Joint Conference on Robotics and Artificial Intelligence (JCRAI)	Japan	Oct. 2020
18	4th International Conference on High Performance Compilation, Computing and Communications (HP3C)	China	June 2020
19	5th International Conference on High Performance Compilation, Computing and Communications (HP3C)	China	June 2021
20	7th Annual International Conference on Computer Science and Applications	China	Sept. 2021
21	3rd International Conference on Machine Learning & Applications (CMLA)	Canada	Sept. 2021
22	4th Int. Conf. on Advanced Electronic Materials, Computers and Materials Eng. (AEMCME)	China	March 2021
23	3th Int. Conf. on Advanced Electronic Materials, Computers and Materials Eng. (AEMCME)	China	April 2020
24	International Conference on Frontiers of Artificial Intelligence and Machine Learning (FAIML)	Sweden	Aug. 2021
25	Second World Symposium on Artificial Intelligence (WSAI)	China	June 2020
26	8th International Conference on Soft Computing	UAE	Dec. 2020
27	6th International Conference on Parallel, Distributed Computing Technologies and Applications (PDCTA)	Switzerland	Jan. 2017

Session Chair

No.	Conference	Location	Date
1	12th IEEE International Conference on Networking, Architecture, and Storage	China	August 2017
2	IEEE Int Conference on Computer and Information Technology (CIT)	Australia	July 2008
3	IEEE 3rd International Conference on Signal and Image Processing (ICSIP)	China	July 2018
4	International Conference on Software Technology and Engineering (ICSTE)	Malaysia	August 2011
5	29th Iranian Conference on Electrical Engineering (ICEE)	Iran	May 2021
6	27th Iranian Conference on Electrical Engineering (ICEE)	Iran	May 2019
7	Iranian Conference on Machine Vision and Image Processing (MVIP)	Iran	Nov. 2008
8	International Symposium on Telecommunications (IST)	Iran	Dec. 2010
9	International Conference of Iranian Operations Research Society (IORC)	Iran	Jan. 2007

Judging panels

No.	Date	Panel Name/Role	Institute
1	2015-Now	Head of designated panel for selection of distinguished engineering students	Yazd University, Iran
2	2007	Member of technical panel for evaluating Telemetry projects	Yazd Regional Water and Wastewater Company
3	2008-Now	Member of the professional panel for evaluating faculty members for promotion and tenure	Yazd University, Iran
4	2001	Member of national committee of M.Sc. entry exam	Ministry of Education, Research and Technology, Iran
5	2016	Member of judging panel at Pooyesh national conference	Farhangian University, Iran
6	2019-Now	Member of committee for selecting engineering faculty members	Yazd University, Iran

Membership of professional societies

No.	Scientific Society
1	Institute of Electrical and Electronics Engineers (IEEE)
2	Institute of Doctors Engineers and Scientists (IDES)
3	Institute of Research Engineers and Doctors (IRED)
4	International Association of Engineers (IAENG)
5	International Association of Computer Science and Information Technology (IACSIT)

Professional services

No.	Date	Role
1	2000-Now	Professor, Department of Electrical Engineering, Yazd University, Iran
2	2018-2020	Adjunct Professor, Department of Computer Engineering, Yazd University, Iran
3	2001-2007	Manager of Information Technology & Computing Services Department, Yazd Uni., Iran
4	2010-2015	Head of Telecommunications Engineering Department, Faculty of Electrical and Computer Engineering, Yazd University, Iran
5	2001-2007	General Secretary and a member of Management Committee of Iranian Association of Electrical Engineering (IAEE), Yazd Branch
6	2008-Now	Founder and Head of the Computer and Communication Networks Research Group (CCNRG), Yazd University, Iran
7	1994-2001	Lecturer, Islamic Azad University, Iran
8	2017-2019	Member of ICT Technical Committee, Yazd University, Iran
9	2006-2008	Member of Leading and Technical ICT Committees of Yazd province
10	2002	Founder and Head of Computer Architecture Laboratory, Yazd University, Iran
11	2002-2008	Member of IT Consortium of Iranian Universities
12	2010-2012	Member of ISIRI/ITTC/SC6 Technical Committee and Head of ISIRI/ITTC/SC6/WG1 Work Group, Iranian Standard and Industrial Research Institute, Iran
13	2005-2007	Co-Founder, and Vice President of Board of Directors at Shams Consulting Engineering Firm
14	2021-2022	Organizing Co-Chair of Iran Workshop on Communication and Info. Theory (IWCIT 2022)

Supervisor of Graduate Students

No.	Role	Number of Thesis
1	Supervisor of graduated Ph.D. students	5
2	Supervisor of current Ph.D. students	10
3	Supervisor of graduated M.Sc. students	49
4	Supervisor of current M.Sc. students	2

Appendixes

I. Publications in English Language

Journal articles (EN):

1. Mirjalily, G.; Asgarian, M.; Luo, Z.-Q.; "Interference-Aware NFV-enabled Multicast Service in Resource-Constrained Wireless Mesh Networks, IEEE Transactions on Network and Service Management, 19 (1), pp. 424 - 436, 2022.

2. Yazdani, O.; Monemi, M.; Mirjalily, G.; "Fast Globally Optimal Transmit Antenna Selection and Resource Allocation Scheme in mmWave D2D Networks", IEEE Transactions on Mobile Computing, 21 (2), pp. 573-584, 2022.

3. Khatiri, A.; Mirjalily, G.; "A cost-efficient, load-balanced and fragmentation-aware approach for deployment of VNF service chains in Elastic Optical Networks", Computer Communications, pp. 156-166, 2022.

4. Asgarian, M.; Mirjalily, G.; Luo, Z.Q.; "Trade-Off Between Efficiency and Complexity in Multi-Stage Embedding of Multicast VNF Service Chains", IEEE Communications Letters, 26(2), pp. 429-433, 2022.

5. Khatiri, A.; Mirjalily, G.; Luo, Z.Q.; "Balanced resource allocation for VNF service chain provisioning in inter-datacenter elastic optical networks", Computer Networks, p. 108717, 2022.

6. Gholamrezaei, R.; Mirjalily, G.; and Emadi, S.; "Reliable controller placement in software-defined networks using reliability covering graph and irregular cellular learning automata', International Journal of Communication Systems, 35(4), p.e5056, 2022.

7. Asgarian, M.; Mirjalily, G.; Luo, Z.-Q.; "Embedding Multicast Service Function Chains in NFV-Enabled Networks", IEEE Communications Letters, vol. 25, Issue 4, pp. 1264 – 1268, 2021.

8. Gazori, R.; Mirjalily, G.; Eslami, L.; "Stable backbone-based geographic routing by using traffic lights as bridges in vehicular ad hoc networks", International Journal of Sensor Networks, vol. 36, no. 1, pp. 25-35, 2021.

9. Khosravian, P.; Emadi, S.; Mirjalily, G.; Zamani, B.; "QoS-Aware Service Composition based on Context-Free Grammar and Skyline in Service Function Chaining Using Genetic Algorithm", PeerJ Computer Science, 7:e603, 2021.

10. Khosravian, P.; Emadi, S.; Mirjalily, G.; Zamani, B.; "Service Function Chaining Composition and Placement Using Grammar-based Genetic Algorithm", Concurrency and Computation: Practice and Experience, John Wiley, 2021.

11. Eslami, L.; Mirjalily, G.; Davidson, T.N.; "Spectrum-Efficient QoS-Aware Resource Assignment for FFR-Based D2D-Enabled Heterogeneous Networks", IEEE Access, vol. 8, pp. 218186-218198, 2020.

12. Rafiee, P.; Mirjalily, G.; "Distributed Network Coding-Aware Routing Protocol Incorporating Fuzzy-Logic-Based Forwarders in Wireless Ad hoc Networks", Journal of Network and Systems Management, vol. 28, no. 4, pp. 1279-1315, 2020.

13. Khosravian, P.; Emadi, S.; Mirjalily, G.; Zamani, B.; "IETF-based Finite Automaton for Service Composition in Service Function Chaining", Wireless Personal Communications, Springer, vol. 114, pp. 1235-1247, 2020.

14. Yazdani, O.; Mirjalily, G.; Monemi, M.; "Efficient transmit antenna selection and resource allocation scheme for mmWave D2D networks", AEU-International Journal of Electronics and Communications, Elsevier, vol. 123, pp. 153271, 2020.

15. NikMaleki, ES.; Mirjalily, G; "Cross layer resource allocation for fault-tolerant topology control in wireless mesh networks based on genetic algorithm", EURASIP Journal on Wireless Communications and Networking, vol. 2019, no. 1, pp. 1-24, 2019.

16. Amiri-Doomari, S.; Mirjalily, G.; Abouei, J.; "Stability-based routing, link scheduling and channel assignment in cognitive radio mobile ad-hoc networks", Wireless Networks, Springer, pp. 1-14, 2019.

17. Mirjalily, G; Luo, Z.Q.; "Optimal network function virtualization and service function chaining: A Survey", Chinese Journal of Electronics, vol.27, no.4, pp. 704-717, 2018.

18. Avokh, A.; Mirjalily, G.; "Interference optimization for multicast and broadcast traffics in multi-radio multi-channel WMNs equipped with directional antennas", International Journal of Electronics and Communications, Elsevier, vol. 83, pp. 439-450, 2018.

19. Amiri-Doomari, S.; Mirjalily, G.; Abouei, J.; "Joint load balanced stable routing and communication segment assignment in mobile cognitive radio ad-hoc networks", International Journal of Communication Systems, Wiley, vol. 31, issue 12, pp. 1-24, 2018.

20. Adelani, Z.; Mirjalily, G.; HajMirzaei, M.; "Balanced multi-channel data collection in wireless sensor networks", International Journal of Communication Networks and Information Security (IJCNIS), vol. 10, no. 1, pp. 10-18, April 2018.

21. Amiri-Doomari, S.; Mirjalily, G.; Abouei, J.; "Interference aware routing game for cognitive radio ad-hoc networks", Journal of Telecommunications and Information Technology, no. 3, pp. 55-63, 2018.

22. Nik Maleki, E.; Mirjalily, G.; "Fault-tolerant interference-aware topology control in multi-radio multi-channel wireless mesh networks", Computer Networks, Elsevier, vol. 110, pp. 206-222, 2016

23. Haghighi, A.; Mizanian, K.; Mirjalily, G.; " Improved MCBDS for defending against gray hole and black hole attacks in MANETs", Advances in Science and Technology Research Journal, vol. 10, no. 30, pp.1–8, 2016

24. Parvin, S.; Sarram, M.A.; Mirjalily, G., Adibnia, F.; " A survey on void handling techniques for geographic routing in VANET network", International Journal of Grid & Distributed Computing, vol. 8, no. 2, pp.101–114, 2015

25. Nik Maleki, Es.; Mirjalily, G.; "Step by Step Methodology for Implementation of the Telephony Services on Data Networks", International Academic Journal of Science and Engineering, vol. 2, no. 2, pp. 121-145, 2015

26. Faghani, F.; Mirjalily, G.; "Isolated Forwarding Strategy in Metro Ethernet networks", Journal of Networks and System Management, Springer, pp. 539–566, vol. 23, no. 3, 2015

27. Avokh, A.; Mirjalily, G.; "Interference-Aware Multicast and Broadcast Routing in Wireless Mesh Networks using both Rate and Channel Diversity", Computers & Electrical Engineering, Elsevier, vol. 40, no. 2, pp. 624-640, 2014

28. Mirjalily, G.; Samadi, S.; "Load Balanced Spanning Tree in Metro Ethernet Networks", Journal of Information Systems and Telecommunication, vol. 2, no. 2, pp. 119-126, 2014

29. Heidari Khoei, A.; Mirjalily, G.; Sarram, M.A.; "Improving the Quality of Services by Scheduling Algorithms in WiMax Networks", Indian J. Sci. Res, vol. 7, no. 1, pp. 1174-1184, 2014

30. Avokh, A.; Mirjalily, G.; "Load-balanced Multicast Tree Routing in Multi-Channel Multi Radio Wireless Mesh Networks using a New Cost Function", Wireless Personal Communications, Springer, vol. 69, no. 1, pp. 75-106, 2013

31. Avokh, A.; Mirjalily, G.; Abouei, J.; Valaee, Sh.; "On the Relationship between Multicast/Broadcast Throughput and Resource Utilizations in Wireless Mesh Networks", Science World Journal, Hindawi, pp. 1-9, 2013

32. Faghani, F.; Mirjalily, G.; "Shortcut Switching Strategy in Metro Ethernet networks", Computer Communications, Elsevier, vol. 34, no. 8, pp. 1022-1032, 2011

33. Mirjalily, G; Karimi, H.; Rajaee, S.; "Load Balancing in Metro Ethernet Networks by Selecting the Best Spanning Tree", Journal of Information Science and Engineering, vol. 27, pp. 1747-1759, 2011

34. Mirjalily, G.; Bastani, P. and Almodarresi, S.M.T.; " Performance Evaluation of Different QoS Models for Connecting Telephone Exchange Centers over Metro Ethernet Networks", AP Journal of Networks, vol. 4, no. 10, pp. 960-967, 2009

35. Faghani, F.; Mirjalily, G.; " Selecting the Best Spanning Tree in Metro Ethernet Networks using Genetic Algorithm", International Journal of Computer Science and Network Security, vol.8, no.6, pp. 106-112, 2008

36. Mirjalily, G.; Luo, Z.Q.; Davidson, T.N.; Bose, E.; "Blind Adaptive Decision Fusion for Distributed Detection", IEEE Trans. on Aerospace and Electronics System, vol. 39, no. 1, pp. 34-52, 2003

37. GholamRezaei, R.; Mirjalily, G.; Emadi, S.; "Reliable controller placement in SDN using reliability covering graph and irregular cellular learning automata", International Journal of Communication Systems, John Wiley, Accepted for Publication, October 2021

Conference articles (EN):

1. Khodabandeh, M.; Mirjalily, G.; Mokhtari, S.; "Scalable Cluster-Based Path Planning for Timely Data Gathering in Wireless Sensor Networks", 6th Iranian Conference on Signal Processing and Intelligent Systems, pp. 1-5, 2020.

2. Mokhtari, S.; Mirjalily, G.; Silva, C.M.; Sarubbi, J.F.M.; Nogueira, J.M.S.; "The Deployment of Roadside Units in Vehicular Networks Based on the V2I Connection Duration", 16th International Conference on Wireless and Mobile Computing, Greece, pp. 1-6, 2020.

3. Khatiri, A.; Mirjalily, G.; "Resource Balanced Service Chaining in NFV-enabled Inter-Datacenter Elastic Optical Networks", 12th International Conference on Knowledge and Smart Technology, Thailand, pp. 168-171, 2020.

4. Gazori R.; Mirjalily G.; "SBGRP as an Improved Stable CDS-Based Routing Protocol in Vehicular Ad Hoc Networks", 27th Iranian Conference on Electrical Engineering, pp. 1979-1983, 2019

5. Akhoundzadeh P.; Ebrahimnezhad H.; Mirjalily G.; "Palm Print Recognition using Modified Local Features based on Sparse Classifier", 27th Iranian Conference on Electrical Engineering, pp. 1429-1433, 2019

6. Rafiee P.; Nouri N.; Mirjalily G.; "On the Performance Enhancement of Routing Protocols in the Internet of Underwater Things", 27th Iranian Conference on Electrical Engineering, pp. 1265-1271, 2019

7. Masoumi Estahbanati M.; Mirjalily G.; "History-based Network Selection in Heterogeneous Wireless Multimedia Networks", 27th Iranian Conference on Electrical Engineering, pp. 1408-1412, 2019

8. Eslami, L.; Mirjalily, G.; " Throughput Enhancement of D2D-enabled Cellular Systems using a Situation-aware Mode Selection Approach", International Conference on Signal and Image Processing (ICSIP 2018), Shenzhen, China, 2018

9. Pourbemany, J.; Mirjalily, G.; Abouei, J.; Fahim Raouf, A.H; "Load Balanced Ad-Hoc On-Demand Routing Based on Weighted Mean Queue Length Metric", 26th Iranian Conference on Electrical Engineering, 2018

10. Rafiee, P.; Mirjalily, G.; "Toward improving coding-aware routing in multi-hop wireless networks"; 4th Knowledge-Based Engineering and Innovation (KBEI), 2017

11. Amiri Doomari, S.; Mirjalily, G.; "Interference modeling for energy aware geographical routing in cognitive radio ad hoc networks", Third Intelligent Systems and Signal Processing (ICSPIS), 2017

12. Yazdani, O.; Mirjalily, G.; "A survey of distributed resource allocation for device-to-device communication in cellular networks", Artificial Intelligence and Signal Processing Conference (AISP), pp. 236-239, 2017

13. Abbasi, S.; Mirjalily, G.; "A cluster-based geographical routing protocol for multimedia cognitive radio sensor networks", 7th Electronics Information and Emergency Communication (ICEIEC), China, 2017

14. Attarha, S.; Hosseiny, K.; Mirjalily, G.; Mizanian, K.; "A load balanced congestion aware routing mechanism for Software Defined Networks", 25th Iranian Conference on Electrical Engineering, pp. 2206-2210, 2017

15. Faghani, F.; Mirjalily, G.; "A New Ethernet Switching Based on Extended Shortcut Switching Strategy", International Conference on Electronics, Information and Communication (ICEIC), Thailand, pp. 364-368, 2017

16. Soroush-Jahromi, S.; Abouei, J.; Mirjalily, G.; Taban, MR.; "A Congestion Efficient Cooperative Positioning scheme for vehicular networks", 25th Iranian Conference on Electrical Engineering, pp. 1713-1718, 2017

17. Nik Maleki, E.; Mirjalily, G.; Saadat, R.; " Cross layer optimization framework for fault-tolerant topology control in wireless mesh networks", 24th Iranian Conference on Electrical Engineering, pp. 288-293, 2016

18. Amiri Doomari, S.; Mirjalily, G.; "Interference aware shortest route selection in energy constrained cognitive radio ad-hoc networks", 2nd International Conference of Signal Processing and Intelligent Systems (ICSPIS), pp. 1-5, 2016

19. Haghighi, A.; Mizanian, K.; Mirjalily, G.; "Modified CBDS for defending against collaborative attacks by malicious nodes in MANETs", International Conference on Knowledge-Based Engineering and Innovation (KBEI), pp. 902-907, 2015

20. Amiri, S.; Mirjalily, G.; Abouei, J.; " Distributed Game theory-based Routing protocol for Cognitive Radio ad hoc networks", 12th International Joint Conference on Computer Science and Software Engineering (JCSSE), Thailand, pp. 201-206, 2015

21. Farhadi, V.; Mirjalily, G.; "Optimal Resource Assignment in Wireless Mesh Networks", Fourth International Conference on Computational Intelligence and Information Technology, Published in "*Computer Application and Signal Processing*", Research Publishing, pp. 14-21, 2014

22. Nikmaleki, Es.; Nikmaleki, Eb.; Mirjalily, G.; Saadat, R.; "A Hybrid Genetic-Based Scheduling Optimization in Wireless Mesh Network joint with Power and Rate Control", 22nd Iranian Conference on Electrical Engineering, 2014

23. Farhadi, V.; Mirjalily, G.; "Cross-layer optimal resource assignment with fairness and load balancing in wireless mesh networks", International Symposium on Telecommunications (IST), 2014

24. Amini, F.; Mizanian, K.; Mirjalily, G.;"Active Queue Management for Self-Similar Network Traffic", 21st Iranian Conference on Electrical Engineering, pp. 1-5, 2013

25. Torki, F.; Mirjalily, G.; "An Optimization Framework for Load Balancing in Metro Ethernet Networks", International Conference on Current Trends in Information Technology, Dubai, UAE, pp. 237-241, 2013

26. Samadi, S.; Mirjalily, G.; "Load balanced spanning tree in metro Ethernet networks", 21st Iranian Conference on Electrical Engineering, pp. 1-6, 2013

27. Avokh, A.; Mirjalily, G.; "Performance Analysis of Broadcasting in Small-Scale Multi-Radio Multi-Channel Wireless Mesh Networks", 14th International Conference on Advanced Communication Technology (ICACT), Korea, pp.537-542, 2012

28. Faghani, F.; Mirjalily, G.; Saadat, R.; Hendesi, F.; "New Forwarding Strategy for Metro Ethernet Networks Based on Hierarchical Addressing", 14th International Conference on Advanced Communication Technology (ICACT), Korea, pp.721-725, 2012

29. Faghani, F; Rastgou, A.; Mirjalily, G.; "Enhanced Forwarding Strategy in Metro Ethernet Networks", 14th International Conference on Advanced Communication Technology (ICACT), Korea, pp.716-720, 2012

30. Khatiri, A; Mirjalily, G.; Khademzadeh, A.; "Energy-Efficient Shortcut Tree Routing in ZigBee Networks", International Conference on Computational Intelligence, Communication Systems and Networks (CICSyN), Phuket, Thailand, pp. 117-122, 2012

31. Saadat, M.R.; Mirjalily, G.; "Efficient Convergecast Tree for Data Collection in Wireless Sensor Networks", 20th Iranian Conference on Electrical Engineering, pp. 1534-1539, 2012

32. Avokh, A.; Mirjalily, G.; "Joint Channel and Rate Selection for Multicast Routing Trees in Wireless Mesh Networks," International Symposium on Telecommunications (IST), pp. 548-553, 2012

33. Samadi, S.; Mirjalily, G.; Almodarresi, S.M.T; "A simple Algorithm to Find the Proper Spanning Tree in Metro Ethernet Networks", International Conference on Software Technology and Engineering, KLL, Malaysia, pp. 185-189, 2011

34. Talaei, S.; Almodarresi, S.M.T.; Mirjalily, G.; "A distributed method based on modified spanning tree to increase wireless sensor networks lifetime", 2nd International Conference on Control, Instrumentation and Automation, pp. 1108-1112, 2011

35. Aghajani Renani, R.; Saadat, R.; Aref, M.R.; Mirjalily, G.; "SER of M-PSK modulation in incremental-selective decode-and-forward cooperative communications over Rayleigh fading channels," 13th International Conference on Advanced Communication Technology (ICACT), Korea, pp.432-437, 2011

36. Aghajani Renani, R.; Saadat, R.; Aref, M.R.; Mirjalily, G.; "Power allocation for Incremental-Selective Decode-and-Forward cooperative communications over Rician fading channels," 13th International Conference on Advanced Communication Technology (ICACT), Korea, pp.730-734, Feb. 2011

37. Faghani, F.; Mirjalily, G.; Saadat, R.; Hendessi, F.; "Toward benchmarks for evaluation of forwarding strategies in metro Ethernet networks", Third International Conference on Computational Intelligence, Communication Systems and Networks, Indonesia, pp. 114-119, 2011

38. Torki, F.; Mirjalily, G.; Saadat, R.; "An Efficient Fast Algorithm to Select the Best spanning Tree in Metro Ethernet Networks",19th Iranian Conference on Electrical Engineering, 2011

39. Heidarpour, B.; Mirjalily, G.; Saadat, R.; "Online Fast failure Recovery in metro Ethernet Networks",19th Iranian Conference on Electrical Engineering, 2011

40. Saadat, M.; Saadat, R.; Mirjalily, G.; "Improving threshold assignment for cluster head selection in hierarchical wireless sensor networks," 5th International Symposium on Telecommunications (IST), pp.409-414, 2010

41. Khayatian, H.; Saadat, R.; Mirjalily, G.; "Distributed power allocation based on coalitional and noncooperative games for wireless networks," 5th International Symposium on Telecommunications (IST), pp.367-372, 2010

42. Faghani, F.; Mirjalily, G.; "Isolated forwarding strategy in Ethernet networks", 24th International Conference on Advanced Information Networking and Applications Workshops, Australia, pp. 152-156, 2010

43. Avokh, A.; Mirjalily, G.; "Dynamic Balanced Spanning Tree (DBST) for data aggregation in Wireless Sensor Networks," 5th International Symposium on Telecommunications (IST), pp.391-396, 2010

44. Akhavan Sigari, F.; Mirjalily, G.; Saadat, R.; "Complexity Reduction of the Best Multiple Spanning Tree Algorithm"; International Conference on Education Technology and Computer (ICETC), Shanghai, China, Vol.3, pp. 47-51, 2010

45. Faghani, F.; Mirjalily, G.; "Traffic Engineering in Ethernet Networks by Using Shortcut Switching Strategy", International Conference on Future Computer and Communication (ICFCC), Malaysia, pp. 371-375, 2009

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