Reza Fotohi Salale

Contact Information	University of Applied Science and Technology Computer Engineering Department Iran, Ardabil

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General Information

Iranian, Married, Date of birth: Jul 23st, 1987,

Research Interests

Internet of Things (IoT), Unmanned Aerial Systems (UAS), Wireless networks, Network Security, CyberSecurity, Artificial Immune System (AIS), Fuzzy Logic Systems (FLS), and NS-2, NS-3, Cooja simulation.

Education

Islamic Azad University of Shabestar, 2012-2014
M.Sc., Computer Software Engineering
GPA: 18.49/20.0
Thesis: *DAWA: Defending against Wormhole Attack in MANETs by Using Fuzzy Logic and Artificial Immune System*
Supervisor: Asociated Professor Dr Shahram Jamali
Advisor: Asociated Professor Dr. Morteza Analouei

University of Applied Science and Technology, 2008-2010
B.Sc., Computer Software Technology Engineering
GPA: 17.37/20.0
Thesis: *Service Orinted Architecture (SOA)*
Supervisor: Dr Hadi Mikaeili
Advisor: Dr Kambiz Fakhr

Technical and Vocational University, 2006-2008
A.D., Computer
GPA: 16.23/20.0
Topic: *Online Store Web Site*
Advisor: Dr Tayough

Journal Publications

1. Jamali, Shahram and, **Fotohi Reza**. "DAWA: Defending against Wormhole Attack in MANETs Using Fuzzy Logic and Artificial Immune System." *The Journal of Supercomputing (2017)*, 52(1):1–24, 2017.

2. Jamali, Shahram and, **Fotohi Reza**. "Defending against wormhole attack in MANET using an artificial immune system." *New Review of Information Networking*, 21(2):79–100, 2016.

3. **Fotohi, Reza**, Ebazadeh, Yaaser and, Seyyar Geshlag, Mohammad. "A new approach for improvement security against DoS attacks in vehicular ad-hoc network." *International Journal of Advanced Computer Science and Applications*, 7(7):10–16, 2016.

4. Sarkohaki, Fatemeh, **Fotohi, Reza**, and Vahab Ashrafian. "An Efficient Routing Protocol in Mobile Ad-hoc Networks by using Artificial Immune System." *International Journal of Advanced Computer Science and Applications*, 8(4):1–8, 2017.

5. Behzad, Shahram and **Fotohi, Reza**, Hosseini Balov, Jaber, Rabipour, Mohammad Javad. "An Artificial Immune Based Approach for Detection and Isolation Misbehavior Attacks in Wireless Networks." *Journal of Computers (JCP)*, 13(6):705–720, 2017.

6. Jamali, Shahram, **Fotohi, Reza**, and Analoei, Morteza. "An Artificial Immune System based Method for Defense against Wormhole Attack in Mobile Adhoc Networks." *Tabriz Journal of Electrical Engineering (TJEE)*, 47(4):1407–1419, 2017.

7. Zandiyan, Shahram, **Fotohi, Reza** and Marzieh Koravand. "P-method: Improving AODV routing protocol for against network layer attacks in mobile Ad-Hoc networks" *International Journal of Computer Science and Information Security*, 14(6):95–103, 2016.

8. **Fotohi, Reza** and Jamali, Shahram, Sarkohaki, Fateme and Behzad, Shahram. "An Improvement over AODV routing protocol by limiting visited hop count." *International Journal of Information Technology and Computer Science (IJITCS)*, 5(9):87–93, 2013.

9. Behzad, Shahram, **Fotohi, Reza** and Jamali, Shahram. "Improvement over the OLSR Routing Protocol in Mobile Ad Hoc Networks by Eliminating the Unnecessary Loops." *International Journal of Information Technology and Computer Science (IJITCS)*, 5(6):16–22, 2013.

10. **Fotohi, Reza**, Jamali, Shahram and Sarkohaki, Fateme. "Performance Evaluation of AODV, LHC-AODV, OLSR, UL-OLSR, DSDV Routing Protocols." *International Journal of Information Technology and Computer Science (IJITCS)*, 5(10):21–29, 2013.

11. **Fotohi, Reza** and Effatparvar, Mehdi. "A Cluster Based Job Scheduling Algorithm for Grid Computing." *International Journal of Information Technology and Computer Science (IJITCS)*, 5(12):70–77, 2013.

12. Behzad, Shahram, **Fotohi, Reza** and Dadgar, Fatullah. "Defense Against the Attacks of the Black Hole, Gray Hole and Wormhole in MANETs Based on RTT and PFT." *International Journal of Computer Science and Network Solutions (IJCSNS)*, 3(3):89–103, 2015.

13. Behzad, Shahram, **Fotohi, Reza** and Effatparvar, Mehdi. "Queue based job scheduling algorithm for cloud computing." *International Research Journal of Applied and Basic Sciences*, 4(11):3785–3790, 2013.

14. Jamali, Shahram, Sarkohaki, Fateme and **Fotohi, Reza**. "A Hybrid routing method for mobile ad-hoc networks." *Journal of Advances in Computer Research*, 7(3):3–103, 2016.

REVISED
MANUSCRIPTS

1. **Fotohi Reza**. "Securing of Unmanned Aerial Systems (UAS) Against Security Threats Using by Human Immune System." *Elsevier. Future Generation Computer Systems (2019)*

2. Maryam Faraji-Biregani, **Fotohi Reza**. "A Novel Smart Agent-based Strategy Using Hash Function for Trust Unmanned Aerial Systems." *Elsevier. Computer Physics Communications (2019)*

3. **Fotohi Reza**, Somayyeh Firoozi Bari. "A Novel Countermeasure Technique to Protect Wireless Sensor Networks against Denial of Sleep Attacks Using RSA algorithm and Interlock Protocol." *Wiely, International Journal of Communication Systems (2019)*

CONFERANCE PUBLICATIONS	1. Seyyedi, Behnam and, **Fotohi Reza**. "An Efficient Approach for Defence against Flooding Attacks in Ad hoc Networks Using by Clustering Schema." *International Conference on Recent Innovations in Electrical, Electronics and Communication Engineering - (ICRIEECE) July 27th and 28th 2018, School of Electrical Engineering, Kalinga Institute of Industrial Technology (KIIT)*, IEEE, 2018.
	2. Jokar, Ehsan, **Fotohi Reza**, and Seyedi, Behnam. "A Comprehensive Study on Disjoint Paths in Planar Graphs." *International Conference on Recent Innovations in Electrical, Electronics and Communication Engineering - (ICRIEECE) July 27th and 28th 2018, School of Electrical Engineering, Kalinga Institute of Industrial Technology (KIIT)*, IEEE, 2018.
PATENT	1. **Fotohi Reza**. "Securing of Unmanned Aerial Systems (UAS) Against Security Threats Using by Artificial Immune System (SUAS-AIS)." *Young Elite Sponsored Institution (2019)*
SUBMITTED JOURNAL	1. Faraji-Biregani, Maryam and, **Fotohi Reza**. "A Novel Smart Agent-based Strategy Using Hash Function for Trust Unmanned Aerial Systems" 2019. Submitted to *Soft Computing (Springer)*.
	2. Panahi, Sepideh and, **Fotohi Reza**. "LSFA-IoT: A Lightweight and Scalable Physical Layer Attack Detection Mechanism for Internet of Things (IoT) using Hybrid Security Schema" 2019. Submitted to *Computers in Human Behavior (Elsevier)*.
	3. Seyyedi, Behnam and, **Fotohi Reza**. "NIASHPT: A Novel Intelligent Agent-based Strategy Using Hello Packet Table (HPT) Function for Trust Internet of Things" 2019. Submitted to *Journal of The Franklin Institute (Elsevier)*.
COURCE WORK	**M.Sc., Islamic Azad University:** Advanced Topics in Software Engineering (19.5/20), Advanced Operating System (20/20), Advanced Computer Networks (20/20), The Design and Analysis of Parallel Algorithms (16/20), Computer Networks Performance Evaluation (18.5/20), Distributed Systems (19/20), Advanced DataBase (17.5/20)
	B.Sc., University of Applied Science and Technology: Algorithm Design (19/20), Internet Engineering (20/20), Computer Simulation (19.5/20), Design and implementation of programming languages (17/5), Network Installation Services (18/20)

HONORS

Student Awards — Ph.D:

1. Ranked 17=2367 in the Ph.D entrance exam, Iran	2018-2019

Student Awards — Master of Science:

2. Ranked 1-3 as outstanding student at Islamic Azad University of Germi	2012-2014
3. Outstanding Researcher at Islamic Azad University of Germi	2012-2014
4. Outstanding Thesis at Islamic Azad University of Germi	2012-2014
5. Highest GPA (18:49=20:00) in the Thesis	2014

Student Awards — Bachelor of Science:

6. Ranked 1-3 as outstanding student at UAST	2008-2010
7. Highest GPA (20:0=20:00) in the Thesis	2010

Student Awards — Associate Degree:

8. Ranked 1-3 as outstanding student at Technical and Vocational University 2006-2008

PRESENTATIONS **1. Islamic Azad University (IAU)** 2013
- Robust And Flexible Internet Connectivity For Mobile Ad Hoc Networks,
- Architectural support for thread communications in multi-core processors,
- An Enhancement of JPEG Still Image Compression with Adaptive Linear Regression and Golomb-Rice coding,
- Dynamic Multilevel Hybrid Scheduling Algorithms for Grid Computing
- A parallel algorithm for finding an Eulerian path in an unconnected graph
- Defense against Wormhole Attacks in Mobile Ad hoc Networks Using the Artificial Immune System

TEACHING
EXPERIENCE

1. Payame Noor University (PNU) 2014 to present
Computer Networks,
Internet Engineering
Algorithm Design
Data Structure
Software Engineering

2. Islamic Azad University (IAU) 2013
Network Simulator (NS-2),

3. University of Applied Science and Technology (UAST) 2016 to present
Computer Networks
Network Programming
Information Technology
E-commerce

REVIEWER FOR
THE FOLLOWING
JOURNALS

- Wireless Personal Communications:
Revision of more than four papers (till 21/04/2019) for Wireless Personal Communications journal published by Springer, JCR and Thomson Reuters and has impact factor of 1.200.

- The Journal of Supercomputing:
Revision of two papers (till 21/04/2019) for The Journal of Supercomputing journal published by Springer, JCR and Thomson Reuters and has impact factor of 1.532.

- Artificial Intelligence Review:
Revision of one papers (till 21/04/2019) for Artificial Intelligence Review journal published by Springer, JCR and Thomson Reuters and has impact factor of 3.814.

- Applied Soft Computing:
Revision of one papers (till 21/04/2019) for Applied Soft Computing journal published by Elsevier, JCR and Thomson Reuters and has impact factor of 3.907.

- KSII Transactions on Internet and Information Systems
Revision of more than five papers (till 21/04/2019) for KSII Transactions on Internet and Information Systems journal published by JCR and Thomson Reuters and has impact factor of 0.611.

- Turkish Journal of Electrical Engineering and Computer Sciences, Tubitak
Revision of one papers (till 21/04/2019) for TURKISH JOURNAL OF ELECTRICAL ENGINEERING and COMPUTER SCIENCES journal published by JCR and Thomson

Reuters and has impact factor of 0.580.

- Advances in Science, Technology and Engineering Systems Journal
Revision of two papers (till 11/08/2018) for Advances in Science, Technology and Engineering Systems Journal (ASTESJ) journal published by Thomson Reuters Researcher id.

- Journal of Advances in Computer Engineering and Technology
Revision of five papers (till 11/08/2018) for Journal of Advances in Computer Engineering and Technology journal published by Thomson Reuters Researcher id.

- SCIREA
Revision of one papers (till 21/04/2019).

SCIENTIFIC ASSOCIATIONS MEMBERSHIP
- Institute of Electrical and Electronics Engineers (IEEE)
- International Association of Computer Science and Information Technology (IACSIT)
- Computer Society of Iran
- Informatics Society of Iran
- Iranian Society of Cryptology

PROFESSIONAL SKILLS
- Networking (Professional)
- Network Security (Professional)
- C Programming (Expert)
- C++ Programming (Expert)
- Network Simulator (NS-2) (Expert)
- Network Simulator (NS-3) (Expert)
- Cooja (Intrudoction)
- Matlab (Intrudoction)
- LaTeX (Intrudoction)
- Web Development including (X)HTML, HTML5, CSS(3), JavaScript, and WordPress

REFERENCES

Dr Shahram Jamali
    Asociated Professor   Phone: +98 914 451 4340
    Division of Computer   E-mail: Jamali@iust.ac.ir
    University of Mohaghegh Ardabili

Dr Ali Ghaffari
    Assistant Professor   Phone: +98 914 413 4580
    Division of Computer   E-mail: ghaffari943@yahoo.com
    Islamic Azad University of Tabriz

Dr Mohammad Ojaroudi
    Assistant Professor   Phone: +98 914 358 2934
    Division of Electricity   E-mail: mohammad.ojaroudi@xlim.fr
    University of Limoges
    Microwave Technology Company (Chief Executive Officer)

PROFILE
Google Scholar: h-index: 9, i10-index: 8 and Articles cited over 135 times (Apr 2019)
Research Gate: RG score: 0.99, h-index: 5, and Articles cited over 94 times (Apr 2019)
Mendeley: h-index: 17, and Articles cited over 1095 times (Apr 2019)

BIBLIOGRAPHY **Reza Fotohi** received his B.Sc. degree in Computer Software Technology Engineering from University of Applied Science and Technology, Shabestar, IRAN (2009) (Selected as the best student). M.Sc. degree in Computer Software Engineering from Islamic Azad University (IAU), Shabestar, IRAN (2013), under the supervision of Dr. Shahram Jamali Associate Professor University of Mohaghegh Ardabili (Selected as the best student). From 2012 until now, he is a Lecturer in the Department of Computer Engineering, Payame Noor University PNU and University of Applied Science and Technology. Iran. From 2015, M.Sc. Fotohi is a member of reviewer the Wireless Personal Communications Journal (Springer, ISI-JCR), The Journal of Supercomputing (Springer, ISI-JCR), Artificial Intelligence Review (Springer, ISI-JCR), Applied Soft Computing (Elsevier, ISI-JCR), KSII Transactions on Internet and Information Systems (ISI-JCR), and The Turkish Journal of Electrical Engineering and Computer Sciences (ISI-JCR). His research interests include Internet of Things (IoT), Unmanned Aerial Systems (UAS), Wireless networks, Network Security, CyberSecurity, Artificial Immune System (AIS), Fuzzy Logic Systems (FLS), and NS-2, NS-3, Cooja simulation. He is currently student member of the Institute of Electrical and Electronics Engineers (IEEE). He is author and coauthor of more than 10 journal and international conferences papers. His papers have more than 135 citations with 9 h-index.

LINKS

- Google Scholar

- LinkedIn

- Research Gate

- Academia

- Mendelay

- ORCID

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