



Mohammad Nikravan

Faculty Member

Email: m.nikravan@qodsiau.ac.ir

Address: Ghods, Tehran



About

I am interested in cloud computing, WSNs and internet of things, with an emphasis on security and task scheduling. Recently I became interested in learning security vulnerabilities of resource-constrained environments such as internet of things and WSNs, and how to counter the attacks in these environments.



Work Experiences

■ Faculty Memebr

University: Islamic Azad University (IAU)

■ Dean of Engineering Faculty

University: Islamic Azad University (IAU)

2009 - 2012

■ Head of Department, Computer Engineering Department

University: Islamic Azad University (IAU)

■ Head of Department, Computer Engineering Department

University: Islamic Azad University (IAU)

2008 - 2009



Education

■ Doctorate of Computer Engineering

Branch: Software systems

2013 - 2018

■ Bachelor of Computer Engineering

Branch: Software

1998 - 2003

■ Master of Computer Engineering

Branch: Software

2003 - 2005



Skills

◆ Proficient in C/C++



Languages

■ English

Reading Level Writing Level Speaking Level Listening Level



- **A multi-factor user authentication and key agreement protocol based on bilinear pairing for the internet of things**
Publisher: Wireless Personal Communications –Springer
Date: 2019
Link : [doi.org/ 10.1007/s11277-019-06869-y](https://doi.org/10.1007/s11277-019-06869-y)

- **A lightweight signcryption scheme for defense against fragment duplication attack in the 6LoWPAN networks**
Publisher: Peer-to-Peer Networking and Applications – Springer
Date: 2018
Link : doi.org/10.1007/s12083-018-0659-8

- **A lightweight defense approach to mitigate version number and rank attacks in low-power and lossy networks**
Publisher: Wireless Personal Communications –Springer
Date: 2018
Link : doi.org/10.1007/s1277-017-5165-4

- **An intelligent approach for clustering in underwater sensor networks**
Publisher: International Conference on Knowledge-Based Engineering and Innovation (KBEI)
Date: 2015
Link : www.civilica.com/Paper-KBEI02-KBEI02_097.html

- **Energy efficient approach based on evolutionary algorithm for coverage control in heterogeneous wireless sensor networks**
Publisher: International Journal of Computer Science, Engineering and Information Technology (IJCEIT)
Date: 2014
Link : doi.org/10.5121/ijceit.2014.4205

- **Combining harmony search and learning automata for topology control in wireless sensor networks**
Publisher: International Journal of Wireless & Mobile Networks
Date: 2012
Link : doi.org/10.5121/ijwmn.2012.4607

- **An intelligent energy efficient QoS-routing scheme for WSN**
Date: 2011
Link : International Journal of advanced Engineering sciences and Technologies

- **Application and development of roboCup mixed reality league**
Publisher: International Conference on Machine Learning and Computing (ICMLC)
Date: 2011

- **Parallel min-max ant colony system (MMAS) for dynamic process scheduling in distributed operating systems considering load balancing**
Publisher: ECMS International Conference on High Performance Computing & Simulation (HPCS)
Date: 2007

- **A genetic algorithm for process scheduling in distributed operating systems considering load balancing**
Publisher: ECMS International Conference on High Performance Computing & Simulation (HPCS)
Date: 2007

- **A hybrid genetic algorithm for process scheduling in distributed operating systems considering load balancing**
Publisher: In Parallel and Distributed Computing and Networks: Proceedings of the 23 rd IASTED International Multi-Conference on Applied Informatics
Date: 2005