

Nik mohammad Balouchzahi

Assistant Professor

Faculty : Electrical and Computer Engineering

Departments : Information Technology Engineering

Phone : +9854 - 31136566

Email : balouchzahi@ece.usb.ac.ir

Address : Dept.of Information Technology Engineering, Faculty of Electrical and Computer Engineering, University of Sistan and Baluchestan, Daneshgah Ave., Zahedan, Iran.

Education

- B.Sc, Software Engineering,Yazd University - 2001
- MS, Computer Hardware Engineering,Iran University of Science and Technology - 2003
- PhD, Computer Architecture Engineering,Iran University of Science and Technology - 2016

Courses

1. Fundamental of Computer and Programming
2. Advanced Programming
3. Data Structures
4. Fundamental of Programming
5. Computer Networks II
6. Computer Networks I
7. Computer Networks
8. Advanced Computer Networks
9. Video Compression
10. Internet Engineering
11. Information Technology Engineering I
12. Special Issues in Computer Networks
13. Wireless Sensor Networks
14. Advanced Communication Networks
15. Data Communications
16. Comprehensive smart networks

Master Thesis

1. Improving the efficiency of vehicular networks by using RSU and UAV simultaneously

حسينعلي عباس زاده سنچولي, [Nik mohammad Balouchzahi, Ahmad Bakhtiyari Shahri, Mohammad Hossein Sargolzaei]

نيمسال دوم سال تحصيلي 00-01

2. Routing in Internet of Thing (IoT) by jellyfish search optimizer

فهيم الله فيلاهومن, [Nik mohammad Balouchzahi]

نيمسال اول سال تحصيلي 00-01

Journals Papers

2023

1. Improve the security of the platoon in vehicular networking

Teymoor Dorzadeh, Nik mohammad Balouchzahi, Ahmad Bakhtiyari Shahri

Volume: (20) 3 - 24

2. Routing in Internet of Thing (IoT) by jellyfish search optimizer

, Nik mohammad Balouchzahi

Volume: (12) 60 - 73

3. Vehicular Networks QoS Improvement by Simultaneous Use of RSUs and Parked Vehicles in Urban Scenarios

Nik mohammad Balouchzahi, Rakhsha Kashfi, Maryam Bidar

Volume: (20) 21 - 38

2022

4. An approach based on fog nodes collaboration and lottery algorithm for deadline-aware task placement and scheduling in fog computing

Amin Safizade, Samira Noferesti, Nik mohammad Balouchzahi

Volume: (11) 64 - 75

2020

5. An Intelligent Architecture based on Cloud Computing for Electronic Education Systems Evaluation (ICCEESE)

LashkariPour Zeynab, Nik mohammad Balouchzahi

Volume: (9) 100 - 114

2019

6. Efficient Traffic Information Dissemination and Vehicle Navigation for Lower Travel Time in Urban Scenario Using Vehicular Networks

Nik mohammad Balouchzahi, Mehri Rajaei

WIRELESS PERSONAL COMMUNICATIONS Volume: (80) 1 - 17

2017

7. Location service implementation in vehicular networks by nodes clustering in urban environments

, Mehri Mehrjoo, Nik mohammad Balouchzahi,

Vehicular Communications Volume: (9) 109 - 114

2016

8. An Efficient Infrastructure Based Service Discovery in Vehicular Networks using P2P Structures

Nik mohammad Balouchzahi, ,

JOURNAL OF SUPERCOMPUTING Volume: (72) 1013 - 1034

2015

9. Optimal road side units placement model based on binary integer programming for efficient traffic information advertisement and discovery in vehicular environment

Nik mohammad Balouchzahi, ,

IET Intelligent Transport Systems Volume: (9) 851 - 861

10. Graph-based Model for RSUs Deployment in Vehicular Networks by Considering Urban and Network Limitations and QoS Requirements of Service Advertisement and Discovery

Nik mohammad Balouchzahi

KSII Transactions on Internet and Information Systems Volume: (5) 1662 - 1681

Conferences Papers

2023

1. Provide a solution to improve communications in intelligent transportation systems using unmanned aerial vehicles

Asma Maldar, Nik mohammad Balouchzahi, Mohammad Hossein Sargolzaei

2. Improving the efficiency of vehicular networks by using RSU and UAV simultaneously

19th International Conference on Transportation and Traffic Engineering

Hosein Abbaszadehsancholy, Nik mohammad Balouchzahi

2021

3. An efficient approach for deadline-aware task scheduling in fog computing

26th International Computer Conference, Computer Society of Iran

Amin Safizade, Samira Noferesti, Nik mohammad Balouchzahi

2020

4. Emergency Medical Services Improvement Using Vehicular Communication

The 18th International Conference on Traffic and Transportation Engineering

Soheila Poudineh, Nik mohammad Balouchzahi

5. Detection and Congestion Control in VANets

The 18th International Conference on Traffic and Transportation Engineering

Fatemeh Karimi, Nik mohammad Balouchzahi

6. A survey on providing emergency services and preventing congestion using vehicular communications

The 18th International Conference on Traffic and Transportation Engineering

Asma Sarabandi, Nik mohammad Balouchzahi

2019

7. proposing a method for re-routing vehicles in urban environment with respect to quality of service parameters through automotive networks

4th Conference on Contemporary Issues in Computer Information and Science

Sahar Kord Tamini, Nik mohammad Balouchzahi, Maryam Bidar

8. Traffic management in urban environments using inter-vehicle communication and creating a green wave

4th Conference on Contemporary Issues in Computer Information and Science

9. privacy-preserving for vehicular communication network

Conference on recent research in science and technology

2018

10. A survey on fuel consumption reduction solutions using vehicular networks

3rd.International Conference 4th.national Conference on Civil Engineering, Architecture and Urban Design

Rakhsha Kashfi, Nik mohammad Balouchzahi

11. Vehicle passing from intersections without traffic light using vehicular comunications

The 17th International Conference on Traffic and Transportation Engineering

Sina Setoudeh, Nik mohammad Balouchzahi

12. Congestion Detection and Control in vehicular networks using proactive and reactive mechanism.

4th National Conference on Safety and Traffic

Fatemeh Karimi, Nik mohammad Balouchzahi

13. Direct-Bridge Combination Scenario for Persian-Spanish Low-Resource Statistical Machine Translation

7th International Conference on Artificial Intelligence and Natural Language

Benyamin Ahmadnia, Javier Serrano, Golamreza Haffari, Nik mohammad Balouchzahi

2017

14. An Event-based Cooperative Collision Warning Decision Systems for Urban and Highway Scenarios.

IKT

, Nik mohammad Balouchzahi, Mehri Rajaei

15. Reducing Travel Time by Using an Event Based Decision Making Module for Accident Situations

The 16 International Conference on Traffic and Transportation Engineering

nasser kurd, Nik mohammad Balouchzahi

16. Infrastructure-free System for Traffic Warning and Detection using Vehicular Networks

4th National Conference on Information Technology , Computer

, Nik mohammad Balouchzahi

2016

17. Reduction of trip time via vehicles clustering in vehicular content-centric networks

The Eighth International Conference on Information and Knowledge Technology (IKT2016)

, Nik mohammad Balouchzahi

18. Rerouting Vehicle for Lower Travel Time using Inter-Vehicle Communicaton

The Eighth International Conference on Information and Knowledge Technology (IKT2016)

samira isazadeh, Nik mohammad Balouchzahi, Mehri Mehrjoo

Executive activities

مامور به وزارت ارتباطات و فناوري اطلاعات

from 1400/06/21 - now

مامور به وزارت ارتباطات و فناوري اطلاعات

from 1395/06/20 - to 1400/06/01

Research Project

2018

2017

2016