

Peyman Kabiri

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### **Current Position**

Assistant Professor

### **Current Affiliation**

School of Computer Engineering

Iran University of Science and Technology - Tehran – Iran

### **Education**

- 1) PhD in Computer Science (Robotics and Machine Learning), I was on a 3 years bursary for my PhD from the Nottingham Trent University.  
Thesis title: "Adaptive Compensation for Errors due to Flexibility in Mechanical Systems"  
From The Nottingham Trent University, Nottingham - UK 2000
- 2) M.Sc. in REAL TIME SYSTEMS  
Thesis title: "Adaptive Compensation for Mechanical Arm Inaccuracies"  
From The Nottingham Trent University, Nottingham - UK 1996
- 3) B.Eng. in COMPUTER HARDWARE ENGINEERING  
From Iran University of Science and Technology – TEHRAN 1992

**IEEE Member (2012)**

**ACM Member (2013)**

**Iranian Society of Machine Vision and Image Processing (ISMVIP) (2010-2017)**

**Iranian Society of Acoustics and Vibration (ISAV) (2017)**

### **Important Links**

Website of the School of Computer Engineering - IUST:

(Farsi): <http://www.iust.ac.ir/find.php?item=14.1956.1485.fa>

(English): <http://www.iust.ac.ir/find.php?item=14.731.582.en>

My personal website (in Farsi): <http://webpages.iust.ac.ir/peyman.kabiri/>

Intelligent Automation Laboratory (IALab): <http://ial.iust.ac.ir>

Google Scholar: <http://scholar.google.at/citations?user=F9eMMSwAAAAJ&hl=en>

Research Gate: [http://www.researchgate.net/profile/Peyman\\_Kabiri](http://www.researchgate.net/profile/Peyman_Kabiri)

My ORCID ID is [0000-0001-5143-0498](https://orcid.org/0000-0001-5143-0498)

My Scopus Author ID: [54790610000](https://orcid.org/54790610000)

### **Research Interests**

Network Security, Cybersecurity (Intrusion Detection and Response and related areas)

Remote Sensing

Acoustic Emission based Condition Monitoring (Non Destructive Testing)

Sound analysis and Music Information Retrieval (MIR)

Many-Valued Logic

Robotics

### **Teaching Experience**

#### **Undergraduate Courses:**

Microprocessor & Assembly language (2015-2018)

Microprocessor Circuit design 1 (2000-2004, 2006-2015)

Microprocessor Circuit design 2 (2007)

IBM PC Assembly language/System Programming (2002-2004 and 2006)

Computer Graphics 1 (2008)  
Technical Report Writing Methodology (2008-2013, 2015)  
Research and Presentation Methodology (2016-2017)

**Postgraduate Courses:**

Remote Sensing (2002-2004, 2006-2014)  
Robotics (2002-2004, 2006-2011)  
Expert Systems and Knowledge Engineering (2002, 2006, 2008, 2014)  
Intrusion Detection and Response Methods and Systems for Computer Networks (2010-2015)  
Secure Computer Systems (2012-2014, 2016-2017)

**Supervised Students**

**11** Undergraduate students  
**44** Master students  
**3** PhD students

**Currently Under Supervision Students**

**0** Undergraduate student(s)  
**8** Master student(s)  
**2** PhD student(s)

**Work Experiences**

*January 2009 to present time:*

Assistant Professor in School of Computer Engineering at the Iran University of Science and Technology - Tehran – Iran.

Lecturing courses: Microprocessor Circuit design 1, Technical Report writing skills for the undergraduates and Remote Sensing, Robotics, Intrusion Detection and Response Methods and Systems for Computer Networks and Secure Computer Systems courses for the postgraduates.

Supervision of the undergraduate and postgraduate students.

Undergraduate students adviser. Member of the Selected Educational Committee of the School of Computer Engineering.

*July 2008 to January 2009:*

Assistant Professor in School of Computer Engineering at the Iran University of Science and Technology - Tehran – Iran.

Lecturing courses: Microprocessor Circuit design 1, Technical Report writing skills for the undergraduates and Remote Sensing, Robotics courses for the postgraduates (M.Sc. degree in A.I. and Robotics). Lecturing Remote Sensing for PhD students. Supervision of the postgraduate students.

*14-February 2008 to July 2008:*

Assistant Professor in School of Computer Engineering at the Iran University of Science and Technology - Tehran – Iran.

Lecturing courses: Microprocessor Circuit design (1 & 2), Computer Graphics 1, Technical Report writing skills for the undergraduates and Remote Sensing, Robotics and Expert systems and knowledge engineering courses for the postgraduates (M.Sc. degree in A.I. and Robotics). Lecturing Remote Sensing for PhD students. Supervision of the postgraduate students.

Lecturing at the Azad Eslami University – Gazvin Branch, courses lectured there:  
Undergraduates: Microprocessor Circuit Design 1

Postgraduates: Robotics, Expert Systems and Knowledge Engineering.

*25-August 2006 to 14-February 2008:*

Assistant Professor in School of Computer Engineering at the Iran University of Science and Technology - Tehran – Iran.

Lecturing courses: Microprocessor Circuit design (1 & 2), IBM PC Assembly language/System Programming for the undergraduates and Remote Sensing, Robotics and Expert systems and knowledge engineering courses for the postgraduates (M.Sc. degree in A.I. and Robotics). Lecturing Remote Sensing for PhD students. Supervision of the postgraduate students.

*7-September 2004 to 30-September 2005:*

(Voluntary work in September 2004)

Full time employment. Project coordinator (Acting as a Research Associate), University of New Brunswick, NB, Canada.

Field of research: Network Security, Intrusion Detection, data analysis, data mining and dimension reduction, clustering and inference engine design.

I was programming with C and MATLAB. Initially an extent literature study about the different approaches in detecting intrusion and alert correlation was carried out. As a result of this study a journal paper was published. Later on, two prototype programs were created. An anomaly-based intrusion detection system was built using MATLAB for the training (executes only once) and C++ program for the real time high speed intrusion detection. The C++ program uses the data calculated by MATLAB to reduce the dimensionality of the events and to cluster and label the situation of the network-based on the input parameters. A paper is submitted in this regard that compares the effect of different reductions in the dimensionality of data applied on four different clustering methods.

To address the problem of redundant alarms generated by the intrusion detectors and the intrusion scenario, the second prototype, a rule-based inference engine (expert system engine) was built using the C++ and MYSQL, where intrusion scenarios are stored in the knowledgebase. Correlating the occurred alerts, prototype will connect the dots and find intrusion strategy and will eliminate redundant alarms. A paper is submitted on this subject.

*January 2004 - July 2004:*

Full time academic member (Assistant Professor) in School of Computer Engineering at the Iran University of Science and Technology - Tehran – Iran.

Lecturing courses: Microprocessor Circuit design, IBM PC Assembly language/System Programming for the undergraduates and Remote Sensing and Robotics for the postgraduates (M.Sc. degree in A.I. and Robotics).

Executive Responsibilities: The manager for the departmental LAN and its related issues.

*September 2002- January2004:*

Full time academic member (Assistant Professor) in School of Computer Engineering at the Iran University of Science and Technology - Tehran – Iran.

Lecturing courses: Microprocessor Circuit design, IBM PC Assembly language/System Programming for the undergraduates and Remote Sensing and Robotics for the postgraduates (M.Sc. degree in A.I. and Robotics).

Executive Responsibilities: The manager for the departmental LAN and its related issues.

Academic member (Assistant Professor) in the Faculty of Engineering, Computing group, Azad University – Central Tehran Branch - Tehran – Iran.

Lecturing courses: Microprocessor Circuit design, IBM PC Assembly language/System Programming and Expert Systems. I also supervised the final year student projects.

*February 2002-September 2002:*

Working with NavandFar Co. in project management for the development projects.

Part time lecturer in School of Computer Engineering at the Iran University of Science and Technology - Tehran – Iran.

Lecturing courses: Microprocessor Circuit design, IBM PC Assembly language/System

Programming for the undergraduates and Remote Sensing and Robotics for the postgraduates (M.Sc. degree in A.I.).

Academic member (Assistant Professor) in the Faculty of Engineering, Computing group, Azad University – Central Tehran Branch - Tehran – Iran.

Lecturing courses: Microprocessor Circuit design, IBM PC Assembly language/System Programming and Expert Systems. I also supervised the final year student projects.

*August 2001-February 2002:*

Working with NavandFar Co., and Part time lecturer for the Microprocessor course in School of Computer Engineering at the Iran University of Science and Technology - Tehran - Iran.

*May 2001- August 2001:*

Working with Padid Pardaz Co. (PDP) as System Test analyst/team leader, the leader of the software process technical group and contact point for the team with the company's employer (Micronage Co. – Manchester – UK). Part time lecturing the Microprocessor course in School of Computer Engineering at the Iran University of Science and Technology - Tehran - Iran.

*August 2000-May 2001:*

Working with NavandFar Co., and Part time lecturer for the Microprocessor course in School of Computer Engineering at the Iran University of Science and Technology - Tehran - Iran.

*1997-1999 (Part Time - During my PhD):*

Part time tutoring experience in OO C++ programming and OO C++ for Artificial Intelligence practical courses.

At: The Nottingham Trent University - Department of Computing

#### ***Part time and Full-time work experience before my M.Sc.***

*1988-1995 (Part Time and Full Time):*

- Part time and Full time work experience in a project management company.

Company: Navand Far Co. Ltd.

Assignment: Programmer.

*1994- 1995 (Full Time):*

*1992- 1994 (Part Time):*

Responsibilities: Consultancy in Software and Hardware, Preparing the project control programmes and control of various activities of the company by project management control programs, Programming.

*1988-1992 (Part Time):*

Responsibilities: Programming, Applying the Critical Path Method (CPM) in project management using Harvard Project Management software.

- \* Work experience as Hardware Engineer in an industrial plant.

*1992- 1994 (Full Time):*

Assignment: Hardware Engineer

#### **Fields of Experience**

- \* Data analysis, Dimension reduction, Classification and Clustering (I am implementing these techniques for the intrusion detection).
- \* Software based sound (acoustic emission) processing, harmonic extraction reconstruction, filtering and processing.
- \* Familiar with design of the 3D-scanning systems (Laser).
- \* Experienced in 3D-data generalisation (During the PhD work).
- \* Robotics, Machine Learning (PhD Project)
- \* Experienced with the Laser Range Finder Systems (with products of Matsushita Works Ltd.) (During the PhD work)
- \* Designing Real Time Monitoring, Data Acquisition system. (PhD Project)

- \* Experience in designing controller for a robotic manipulator (PhD Project).
- \* Experience with AVR technology and ATMEGA MCU series
- \* Experience in CPM Project Management using software such as MS-Project.
- \* Experienced with MATLAB.

### **Courses Designed**

1. Intrusion Detection and Response Methods and Systems for Computer Networks (2011).

### **Invited Speaks**

- Invited Speaker for the First National Seminar of the Security Study Group, Ministry of Communication and Information Technology, Tehran, 21-Oct-2009.
- Invited Speaker for the Third Seminar on Information Era with Security and Resource Management Approach, University of Tabriz, Tabriz, 24 & 25-Nov-2011.

### **Previous Review Responsibilities:**

- . I am invited regularly to review submissions to different ISI (IEEE Trans. Cybernetics, International Journal of Remote Sensing, etc.) and non-ISI journals. As well as different national and international conferences.
- . I also have been external referee to different postgraduate thesis defenses at national level.
- . World Multi-conference on SYSTEMS, CYBERNETICS AND INFORMATICS (SCI'2000 / ISAS '2000), Orlando, Florida, Sheraton World, July 23-26, 2000.
- . 11th Iranian Electrical Engineering Conference, 6th-8th May 2003, Shiraz, Iran.
- . Poster papers of the Nineteenth International Joint Conference on Artificial Intelligence, EDINBURGH, SCOTLAND, 30 JULY - 5 AUGUST 2005.
- . "IUST International Journal of Engineering Science", Iran University of Science and Technology, 2007, 2009.
- . "International Journal of Network Security", <http://ijns.nchu.edu.tw>, Taiwan. (2005, 2007-2009).
- . "IEEE Transactions on System, Man and Cybernetics – Part B", IEEE, (2007, 2009, 2011).
- . "The 2009 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2009)", 2009.
- . "First International Conference on 'Networked Digital Technologies (NDT 2009)", 2009.
- . "Journal of the Network and Systems Management", 2009.

### **Membership in Conference Technical/Program Committee:**

- . Member of the Technical Committee in "15th Annual Conference of Iranian Computer Society", 2010.
- . Member of the Program Committee in "2<sup>nd</sup> International Conference on IT & Business Intelligence", 2010.
- . Member of the Technical Committee in "2010 National Conference on Information and Communication Security (CICS 2010)", Ahwaz, Iran.
- . Member of the Program Committee in "The 2nd International Conference on Management Science and Artificial Intelligence (MSAI 2011)", DengFeng, China, Aug. 8-10, 2011.
- . Member of the Program Committee in "The 7th Iranian Conference on Machine Vision and Image Processing (MVIP 2011)", Tehran, Iran, 15 to 17-Nov-2011.
- . Member of the Technical Committee in "MVIP 2013: 8th Iranian Conference on Machine Vision and Image Processing", University of Zanjan, Zanjan, Iran, Sep 10-12, 2013.

### **Membership in Editorial Board of the Journals**

- . Member of the Editorial Board for Journal of Advances in Computer Research, Islamic Azad University Sari Branch – Iran (since 2008)

### **Membership in Board of Directors**

- . Elected by the general assembly as the substitute inspector of the board in Iranian Society of Machine Vision and Image Processing (ISMVIP) (from 2011 to 9<sup>th</sup>-November-2014)

### **Supervised Graduated Ph.D. Students**

1. Keyvan RahimiZadeh, Thesis title: “Virtual Machine Modelling and its Application in Virtual Machine Placement”, Thesis submitted in partial fulfilment of the requirement for the degree of Doctorate of Philosophy in Computer Engineering, Department of Computer Engineering, Iran University of Science and Technology, Supervisors: Dr. Morteza Analoui and Dr. Peyman Kabiri, Exam date: 8-December 2015.
2. Mohsen Moshki, Thesis title: “Scalable and Data Driven Weather Modelling for Short Range Forecasting”, Thesis submitted in partial fulfilment of the requirement for the degree of Doctorate of Philosophy in Computer Engineering, Department of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Project adviser in meteorology: Dr. Alireza Mohebol-Hojeh, Exam date: 27-February-2016.
3. Mehdi Hosseinzadeh Aghdam, Thesis title: “Learning Latent Features to Improve the Performance of Recommender Systems using Trust Networks”, Thesis submitted in partial fulfilment of the requirement for the degree of Doctorate of Philosophy in Computer Engineering, Department of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Morteza Analoui and Dr. Peyman Kabiri, Exam date: 25-June-2016.

### **Supervised Graduated M.Sc. Students**

1. Hamed Shahbazi, Thesis title: “Multispectral Image Retrieval Using Multivariate Data Analysis Methods”, Thesis submitted in partial fulfilment of the requirement for the degree of Master of Science in Computer Engineering in the subject of Artificial Intelligence, Department of Computer Engineering, Iran University of Science and Technology, Supervisors: Dr. Peyman Kabiri and Dr. Mohsen Soryani, Exam date: 12-March 2008.
2. Gholam Reza Zargar, Thesis title: “Investigating Different Effective Parameters in Network Intrusion Detection and Condition Monitoring”, M.Sc. in Information Technology and Secure Communication, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 6-October-2009.
3. Mehran Agahei, Thesis title: “Routing Attack Detection in Ad-Hoc Networks”, M.Sc. in Information Technology and Secure Communication, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 29-December-2009.
4. Amir Makinezhad, Thesis title: “Condition Monitoring and Fault Diagnosis in Automobile Engine using Acoustic Emission Multivariate Analysis”, M.Sc. in Artificial Intelligence and robotics, School of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 26-May-2010.
5. Tania Baghai, Thesis title: “Improvement of paging methods in Mobile IP protocol”, M.Sc. in Information Technology and Secure Communication, Iran University of Science and Technology, Supervisors: Dr. Reza Berangi, Dr. Peyman Kabiri, Exam date: 8-June-2010.
6. Monireh Naderi, Thesis title: “Music Information Retrieval Using Features Similarity”, M.Sc. in Information Technology and Secure Communication, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 21-July-2010.
7. Alireza Amiraghdam, Thesis title: “Extracting Digital Terrain Model from Aerial Images by Stereovision”, M.Sc. in Artificial Intelligence and robotics, School of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 5-September-2010.
8. Fateme Moarefian, Thesis title: “Increasing Accuracy and Speed for Function Approximation in Scattered Data Using Radial Basis Functions”, M.Sc. in Artificial Intelligence and robotics, School of Computer Engineering, Iran University of Science and Technology, Supervisors: Dr. Peyman Kabiri and Dr Nasser Mozayani, Exam date: 15-September-2010.
9. Ali Foroutan Rad, Thesis title: “High Performance and Fault-tolerant Approach for Resource Allocation and Discovery in Mobile Grids”, Azad Eslami University–Shabestar Branch, Supervisor: Dr. Peyman Kabiri, Exam date: 5-October-2010.

10. Alireza Noorian Saaravy, Thesis title: "An Automatic Response Methodology for Intrusion in to the Computer Networks", M.Sc. in Computer Systems Architecture, School of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 1-February-2011.
11. Yaser Ghanbary, Thesis title: "Improving Intrusion Detection Systems with Hierarchical Architecture Using an Interlayer Messaging System", M.Sc. in Information Technology and Secure Communication, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 10-January-2012.
12. Hamid Ghaderi, Thesis title: "Automobile Independent Condition Monitoring and Fault Detection using Acoustic Emission Signals", M.Sc. in Artificial Intelligence and robotics, School of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 6-February-2012.
13. Ali Salimi, Thesis title: "A New Architecture for Trust, Response to Intrusion Attempts and Redirection of Intruders to Honeypots", M.Sc. in Information Technology and Secure Communication, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 13-February-2012.
14. Jalil Ghavidel Neycharan, Thesis title: "Improving Classifiers Ensemble Accuracy by Diversifying the Base Classifiers", M.Sc. in Artificial Intelligence and robotics, School of Computer Engineering, Iran University of Science and Technology, Supervisors: Dr. Morteza Analoui and Dr. Peyman Kabiri, Exam date: 18-February-2012.
15. Sirous Kourki Nejat, Thesis title: "Designing an Adaptive and Cost-Sensitive Intrusion Response System for Guaranteeing Service Availability in Networks", M.Sc. in Artificial Intelligence and robotics, School of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 20-May-2012.
16. Fakhteh Alemi, Thesis title: "Identification of Effective Parameters in Intrusion Detection in Wi-Fi Wireless Networks", M.Sc. in Information Technology and Secure Communication, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 30-May-2012.
17. Sanaz Tavakoli Dastjerdi, Thesis title: "Identification of Effective Parameters in Intrusion Detection In peer to peer Networks", M.Sc. in Information Technology and Secure Communication, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 30-May-2012.
18. Amir Rezaie Zadeh Roukerd, Thesis title: "Analysis and Improvement of Quality of Service (QoS) in Self-Aware Networks", M.Sc. in Artificial Intelligence and robotics, School of Computer Engineering, Iran University of Science and Technology, Supervisors: Dr. Morteza Analoui and Dr. Peyman Kabiri, Exam date: 5-June-2012.
19. Kobra Nalbandi Amiri, "Designing an Adaptable Intrusion Response System with Learning Capability", M.Sc. in Information Technology Engineering, Mazandaran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 20-February-2013.
20. Mobarakeh Moosavirad, Thesis title: "A Novel Intrusion Prevention and Response Approach in Wi-Fi Networks", M.Sc. in Information Technology and Secure Communication, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 4-May-2013.
21. Reza Yousefian Hashemabadi, Thesis title: "Traffic Pattern Extraction in Peer-to-Peer Networks for Botnet Detection", M.Sc. in Information Technology and Secure Communication, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 1-July-2013.
22. Sanaz Farajzadeh, Thesis title: "Trust Based Malicious Node Detection in MANET", M.Sc. in Artificial Intelligence and robotics, School of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 22-July-2013.
23. Payam Mostafaei Ekhtiar, Thesis title: "Electricity Price Spike Forecasting with Data Mining Techniques", M.Sc. in Knowledge Engineering & Decision Science, University of Economic Sciences, Supervisor: Dr. Peyman Kabiri, Exam date: 12-October-2013.
24. Ali Ahmadvand, Thesis title: "Extraction of three main cerebral tissues using multispectral MRI image segmentation", M.Sc. in Artificial Intelligence and robotics, School of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam

- date: 18-December-2013.
25. Davar Ahmadpour, Thesis title: "Detection of MAC Address Spoofing in Wi-Fi Networks in Presence of Legitimate Client and Attacker", M.Sc. in Computer Networks, School of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 3-March-2014.
  26. Seyyed Reza Hosseini, Thesis title: "Detecting Collective Activities Using Multi-Agent System Applied on Botnet Detection", M.Sc. in Artificial Intelligence and robotics, School of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 8-March-2015.
  27. Seyyed Mojtaba Mostafavi, Thesis title: "Detection of repetitive and irregular hypercalls attacks from guest VM to hypervisor in cloud computing environment", M.Sc. in Information Technology-Computer Networks Design, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 19-April-2015.
  28. Seyyed Hessam Hoseini, Thesis title: "Linux Web Servers Forensics", M.Sc. in Information Technology-Computer Networks Design, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 19-April-2015.
  29. Javad Zareei Aval, Thesis title: "Music Information Retrieval based on Customer Taste", M.Sc. in Artificial Intelligence and robotics, School of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 11-July-2015.
  30. Solmaz Salimi, Thesis title: "Fast-Flux Service Networks Detection Based On Behavioral Patterns", M.Sc. in Artificial Intelligence and robotics, School of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 21-September-2015.
  31. Niloofar Movahedian Attar, Thesis title: "Dynamic Detection of the Secure Routes in Ad-hoc Networks Using AODV Routing Protocol", M.Sc. in Information Technology-Computer Networks Design, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 21-September-2015.
  32. Talie Majidi Kalibar, Thesis title: "New method for Web Users Activity Tracking", M.Sc. in Information Technology-Computer Networks Design, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 22-September-2015.
  33. Yaser Ayat, Thesis title: "Detection of Tracking Code Injection for User Privacy Preservation", M.Sc. in Information Technology-Computer Networks Design, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 22-September-2015.
  34. Dawood Frotan, Thesis title: "A New CAC Method for IEEE802.11 Access Point based on Session Initiation Protocol", M.Sc. in Information Technology - Computer Networks Design, School of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Advisor: Dr. Vahid Azhari, Exam date: 6-October-2015.
  35. Mohsen Falahi DaryaKenari, Thesis title: "Extracting Plane Lands or Depressions from Aerial Images by Stereovision", M.Sc. in Artificial Intelligence and robotics, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 19-April-2016.
  36. Asma Abdolahpoor, Thesis title: "Pan-Sharpening of the Multi-Spectral Images Using Textural Analysis of Panchromatic Images", M.Sc. in Artificial Intelligence and robotics, School of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 16-May-2016.
  37. Marzieh KianiNejad, Thesis title: "Improving Trust Calculation in Social Networks Using Trust Propagation and Combination Properties", M.Sc. in Artificial Intelligence and robotics, School of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 24-May-2016.
  38. Atiyeh Razavifar, Thesis title: "A New Method to Implement Firewall & IRS Based on Channel Exchange in Wireless Networks", M.Sc. in Information Technology - Computer Networks Design, School of Computer Engineering, Compus2 - Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 5-October-2016.
  39. Seyedeh Yasaman Pakdaman Shahri, Thesis title: "The computation of Trust at inter-cluster level



- and node lifetime availability in MANET”, M.Sc. in Information Technology - Computer Networks Design, School of Computer Engineering, Compus2 - Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 18-February-2017.
40. Mahboobe Dehghani Tafti, Thesis title: “A New Method to Reduce AODV Protocol Load in Clustering Using the Cluster Head”, M.Sc. in Information Technology - Computer Networks Design, School of Computer Engineering, Compus2 - Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 19-February-2017.
  41. Mahsa Shafiei Dolat Abadi, Thesis title: “Detection of the Reliable Trusted Routes in MANET”, M.Sc. in Information Technology - Computer Networks Design, School of Computer Engineering, Compus2 - Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 19-February-2017.
  42. Zahra Rahimi, Thesis title: “An anonymity measure against fingerprinting platforms of MS-Windows PCs on the web”, M.Sc. in Computer Networks, School of Computer Engineering, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 19-September-2017.
  43. Mahdiah Chavoshi, Thesis title: “A Solution to Prevent Destruction of Physical Systems in Cyber-Physical Systems”, M.Sc. in Information Technology-Computer Networks Design, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 20-September-2017.
  44. Zohreh Ekhtiyari, Thesis title: “Energy-Efficient Temperature-Aware Task Scheduling for Real-Time Multiprocessor Systems”, M.Sc. in Computer Engineering (Computer Architecture), Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Consultant: Dr. Hakem Beitollahi, Exam date: 25-November-2017.

### **Supervised Graduated Undergraduate Students**

1. Mojtaba Mostafavi, Thesis title: “Implementing agents for distributed Processing”, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 11-March-2012.
2. Mohammad Hassan Mobasher, Thesis title: “Design and Development of a Game Engine for Strategic Games”, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: 13-March-2012.
3. Hasan Mansouri, Thesis title: “Design and Implementation of Rotary Wing UAVs Stabilizer”, BEng in Software Engineering, Iran University of Science and Technology, Supervisors: Dr. Peyman Kabiri and Dr. Adel Turkaman Rahmani, Exam date: 13-November-2012.
4. Omid Beheshtkar, Thesis title: “Design and development of a firewall for MS Windows”, Iran University of Science and Technology, Supervisor: Dr. Peyman Kabiri, Exam date: September-2014.

## Publications

### Journal papers

- [1] Seyyed Ali Hoseini, Peyman Kabiri, "Camera pose estimation in unknown environments using a sequence of wide-baseline monocular images", Journal of AI and Data Mining, Vol. 6, No. 1, pp. 93-103, Winter and Spring 2018. (ISC)
  - [2] Sirous KourkiNejat, Peyman Kabiri, "An Adaptive and Cost-based Intrusion Response System", Cybernetics and Systems: An International Journal, Vol. 48, No. 6-7, pp. 495-509, 8-December-2017 (DOI: 10.1080/01969722.2017.1319693). (ISI IF for 2016 = 1.434)
  - [3] Mehdi Hosseinzadeh Aghdam, Morteza Analoui, Peyman Kabiri, "Collaborative filtering using non-negative matrix factorization", Journal of Information Science (JIS), Vol. 43, No. 4, pp. 567-579, 1-Aug-2017. (DOI: 10.1177/0165551516654354). (ISI IF for 2016 = 1.372)
  - [4] Mohsen Moshki, Peyman Kabiri, Alireza Mohebol-Hojeh, "Scalable Data-Driven Modelling of Spatio-Temporal Systems: Weather Forecasting", Intelligent Data Analysis - An International Journal, Vol. 21, No. 3, pp. 577-595, 29 June 2017, (DOI: 10.3233/IDA-150494). (ISI IF for 2016 = 0.772)
  - [5] Sanaz Farajzadeh, Peyman Kabiri, "Trust Based Secure Route Detection for MANETs", Journal of Productivity and Development, Vol. 3, No. 1, pp. 13-25, 2017.
  - [6] Hamid Ghaderi, Peyman Kabiri, "Automobile engine condition monitoring using sound emission", Turkish Journal of Electrical Engineering & Computer Sciences, Vol. 25, No. 3, pp. 1807-1826, 2017, (DOI: 10.3906/elk-1605-77). (ISI IF for 2016 = 0.578)
  - [7] Mehdi Hosseinzadeh Aghdam, Morteza Analoui, Peyman Kabiri, "Modelling Trust Networks using Resistive Circuits for Trust-aware Recommender Systems", Journal of Information Science (JIS), Vol. 43, No. 1, pp. 135-144, 1- February-2017, (DOI: 10.1177/0165551516628733). (ISI IF for 2016 = 1.372)
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