

# Curriculum Vita


## Personal Information


**Name:** Reza Parsamehr  
**Date of Birth:** 13/03/1985  
**Gender:** Male  
**Marital:** Single



## Address

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## Education

**2012 to present** Faculty Member and Research Assistant in Department of Computer Science and Information Technology, Institute for Advanced Studies in Basic Sciences, Zanzan, Iran,  
<http://www.iasbs.ac.ir/it/dep=27&ef=fa&page=faculty.php>

**2009 to 2012** M.Sc. Information Technology  
[Graduate University of Advance Technology \(GUAT\)](#),  
Kerman, Iran  
**Thesis:**  
A New Mutual Authentication Framework for RFID Systems

**Abstract:**

Radio Frequency Identification (RFID) is an important system for object identification. By attaching an RFID tag to a living or non-living object, it enables detection of the tag information via radio frequency communication. These low cost RFID tags are highly resource-constrained and cannot support its long-term security. The most important problem with an RFID system is that an opponent can access the tag information which gives rise to privacy and forgery problems. In this paper we present a framework where the objects of the RFID system will be recognized by mutual authentication. In this manner unlike previous researches we assume that the communication between reader, server reader and tag is unsecured. The framework ensures the identification of reader and tag by using symmetric and asymmetric cryptography applying a hash function. It also provides confidentiality, integrity, and authentication for the RFID system. In this framework the RFID system will be safe from DOS, and Reply attacks. We have also reduced computational complexity and removed processing from the tag in order to save their computation power.

**2003 to 2008**

B.Sc. Computer Engineering  
[Payame Noor University](#), Iran

**Research Interest**

- Network Security
- Network
- Wireless Sensor Network
- RFID Systems
- Routing Protocols
- Network Coding

**Membership**

- Organizing Committee of ACM Programming Competition in IASBS, 2014.
- Manager of Network Security Lab in IASBS, 2012-2014
- Member of Network Lab in IASBS, 2012-2014

## Publication

### Conferences

- **Reza Parsamehr**, Hamid Reza Naji, Mohammad Esmail Shahabian, “A new mutual authentication framework for RFID systems”, ICEE 2012, Tehran, Iran
- Kazem Mirzadi, **Reza Parsamehr**, Mohammad Naser Zandi, “Digital signatures and security challenges”, CITaDiM 2013, Tehran, Iran.
- **Reza Parsamehr**, Kazem Mirzadi, Mohammad Naser Zandi, “DOS attacks and ways of dealing with it”, CITaDiM 2013, Tehran, Iran.
- Marjan Pourmohammad Khan, Hamid Reza Naji, **Reza Parsamehr**, “The reasons for acceptance or non-acceptance of mobile banking users based on the technology acceptance model”, CITaDiM 2013, Tehran, Iran.
- Kazem Mirzadi, **Reza Parsamehr**, Mohammad Naser Zandi, “The most common hash functions are analyzed in terms of memory and speed”, CITaDiM 2013, Tehran, Iran.
- Kazem Mirzadi, **Reza Parsamehr**, Mohammad Naser Zandi, “DOS attacks and ways of dealing with it”, CITaDiM 2013, Tehran, Iran.
- Hajar Baghcheband, **Reza Parsamehr**, Amir Hossein Farzhamian, “Application of RFID Technology in Library Automation”, ICEEE 2011, Mashhad, Iran.
- **Reza Parsamehr**, Hajar Baghcheband, Amir Hossein Farzhamian, “Study and design of automatic control vehicle access systems for parking space with RFID technology”, ICEEE 2011, Mashhad, Iran.

### Working Papers

- A new mutual authentication framework for RFID systems
- Routing protocols for wireless sensor networks with mobile sinks
- Enhance the network authentication protocols
- Network Coding

## Teaching Experience

- **Faculty member for Institute for Advanced Studies in Basic Sciences (IASBS) since October 2012**  
(Computer Networks, Network Security, Computer Architectures, Digital Design, Internet Engineering, Fundamentals of Information Technology, Engineering Economics, Technical Presentation)
- **Islamic Azad University of Bonab 2011-2012**  
(Computer Networks, Software Engineering, Computer Basics)
- **Islamic Azad University of Ajabshir 2011-2012**  
(Computer Networks, Assembly language)
- **Payme Noor University of Oskoo**  
(Operation System, Network Security)
- **Besat Institute of Higher Education at Kerman 2011-2012**  
(Computer Network, Technical Presentation)
- **Kerman Institute of Higher Education at Kerman 2011-2012**  
(Network Security, Internet Engineering, Computer Lab)
- **Mehr Avaran Institute of Higher Education at Kerman 2010-2012**  
(Internet Engineering, Special Topics, Computer Lab, Technical Presentation)
- **Payam-e-Nour University of Kerman 2009-2010**  
(DataBase, Computer Lab)

## Graduated Course Work

- **Computer Networks Management**
- **Secure Computer Systems**
- **Advanced Topics in Information Systems (E-Commerce & M-Commerce)**
- **Commercial Intelligence**
- **Predictions Methods**
- **Knowledge Management**
- **Advance Strategic Planning**
- **Virtual Teams Management**

## Languages

**Azerbaijani:** Native (Mather tongue)

**Persian:** Native

**English:** Fluent

**Turkish:** Fluent

## Activities and Hobbies

- Painting, Member of Bonab Painting Forum
- Mountaineering, Member of IASBS Mountaineering Core.
- Volley Ball, Member of IASBS and VRU Volleyball Teams.
- Others, Soccer, Climbing, Biking, Swimming.

## Referees

- **Dr. Hamid Reza Naji (M.Sc. Theses Supervisor)**

Associate Professor, Dean of Department of Electrical and Computer, Graduate University of Advance Technology (GUAT), Kerman, Iran

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- **Dr. Mansoor Davoodi Monfared**

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- **Dr. Bahram Sadeghi Bigham**

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- **Dr. Ali Akbar Niknafs**

Assistant Professor, Faculty of Department of Mathematics and Computer,  
Shahid Bahonar University, Kerman, Iran

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