

# Hello.

My name is

**Mahdi Khosravi**  
Roqaye Abad

And this is my resume

my story



<http://ir.linkedin.com/in/MahdiKhosravi>

Birth Date: September 21, 1988

Marital status: Married



+989128333924



Khosravi.m3@gmail.com

Unit 44, Floor 8, Fadak Residential Complex, Khalij Fars St., Pardis, Tehran, Iran



## Affiliations

- Member, IEEE, 2015.
- Member, Iran Engineering organization. Birjand, Iran, 2013.
- Member, Iran Associate System, Birjand, Iran, 2013.



## Some Qualifications

- Working well as a team member or independently.
- Having a great enthusiasm for research.
- Competent, Hardworking, Creative problem-solver
- Having the skill of making powerful speeches. (oratory skills)

## 01. Education

### Iran University of Science & Technology (IUST). Feb 2013

M.Sc., Control & Signaling Engineering, GPA: 17.85/20

Thesis title: "Estimating of Longitudinal Velocity and Detecting Slip by Designing a Robust Estimator"

### Khorasan Institute of Higher Education - Mashhad, Iran. Sep 2009

B.Sc. Electronic Engineering, GPA: 16.44/20

Project title: "Constructing signal generator with FPGA"

### Imam Khomeini Technical College- Sabzevar, Iran. Sep 2007

Associate degree, Electronic Engineering, GPA: 16.95/20

## 02. Work Experiences

### R&D Engineer - Taban Group. Tehran, Iran -April 2015 to Present

- Coordinated R&D department
- Transferring the technology of manufacturing the medium voltage switching devices and switchgear from German to Iran.
- Analyzed magnetostatic field distribution in electrical panels by Maxwell and COMSOL

### R&D Engineer - Islamic Republic of Iran Railways -August 2014 to Present

- worked on replacement of fuel cell with diesel generator in intercity trains.

### R&D Engineer - Sharif University of Technology. Tehran, Iran - Feb 2013 to April 2015

- Equipped a car with pressure sensors, accelerometers, loadcell and adding an extra wheel to car to get requirement data for developing Antilock Brake System (ABS).
- Estimated vehicle velocity by unknown input Kalman filter and adaptive nonlinear filter
- Modeled a car in state space format
- Designed sliding mode and rule base controller to control the slip
- Used data acquisition card to receive/send analogue and digital data for Real-time control

### Research Engineer - Negarin Sanat Asia co., Tehran, Iran - Sep 2013 to March 2014

- Coordinated R&D department
- Designed a board to control the slip in ABS
- Accompanied a team to programming a Microprocessor as a ABS processor

## 03. Teaching Experiences

### Lecturer - Islamic Azad University. Tehran, Iran - Sep 2013 to Feb 2015

- Held training courses of Computers & Electrical Engineering

### Lecturer - Sharif University of Technology. Tehran, Iran – 2013

- Held training courses of MATLAB programming

### Lecturer - Sapko Scientific Applied University. Tehran, Iran – 2012

- Held training courses of MATLAB programming

### Lecturer - Imam Sajjad Institute. Birjand, Iran – 2007

- Institute lecturer in AVR Programming

#### 04. Technical Skills

- Computer: Windows, Internet Technology, Microsoft Office, Auto CAD.
- Electronics: AVR Micro controller, C++, FPGA, PLC, Maxwell, COMSOL.
- Control: Data Acquisition & Real-time Control, MATLAB, LabVIEW.

#### 05. Languages

- Persian ★ ★ ★ ★ ★ ★ ★ ★ ★ ★
- English ★ ★ ★ ★ ★ ★ ★ ★ ★ ★
- TOEFL (89): ★ ★ ★ ★ ★ ★ ★ ★
- Reading: 24, Listening: 20, Speaking: 19, Writing: 26

#### 06. Publications

- Moaveni B, **Khosravi Roqaye Abad M** and Nasiri S. "Vehicle Longitudinal Velocity Estimation during the Braking Process using Unknown Input Kalman Filter.", *Vehicle System Dynamics*, DOI:10.1080/00423114.2015.1038279, April 2015.
- Moaveni B, **Khosravi Roqaye Abad M**, Nasiri S and Amiri M. "Vehicle longitudinal velocity estimation using two new estimators and without measuring the braking torque", *Journal of Modares Mechanical Engineering (MME)*, vol: 14: pp: 183–193, 2014.
- Moaveni B and **Khosravi Roqaye Abad M**. "Train Longitudinal velocity estimation based on extended Kalman filter with unknown input", 3rd International Conference on Recent Advances in Railway Engineering (ICRARE-2013), Iran, February 2013.

#### 07. Training

- Project Management, with a valid certificate of Germany's Rheinland TÜV, 2012.
- Customer Relationship Management (CRM), Tehran Institute of Science and Technology, Tehran, Iran, 2011.
- Marketing, IUST, Tehran, Iran, 2012.
- AVR Programming, Sabzevar, Iran., 2007.

#### 08. Honors and Awards

- Selected as a Member in National Elite Foundation of Iran. Iran, 2014.
- Selected Outstanding Student in master with GPA:17.85/20, IUST, 2013.
- Ranked 32, Science Olympiad Student. Shiraz, Iran, 2007.
- Selected Outstanding Student in associate degree with GPA:16.95/20. Imam Khomeini Technical College, 2007.