Parisa Ansari Bonab

Objective:

To Obtain a Position Leading to a Ph.D. Degree in Electrical Engineering

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**Personal Information**

**Email:** [parisaansari1@gmail.com](mailto:parisaansari1@gmail.com)

**Phone:** +98 93 70 73 61 23

**Gender:** Female

**Place of birth:** Bonab, Iran

**Education**

**M.Sc. in Electrical Engineering-Control**

September 2011- February 2014, University of Shahrood, Shahrood, Iran

GPA: 16.84 out of 20

**Thesis title: Robust Fault Detection Using a Sliding Mode Observer for Boeing 747 Aircraft**

Accepted with score: 19.08 out of 20

Supervisor: Dr. Mohammad Ali Sadrnia

**B.Sc. in Electrical Engineering-Control**, September 2004- February 2009

University of Tabriz, Tabriz, Iran

GPA: 13.58 out of 20

Final project: Simulating of Continuous Interacting Ant Colony, and Comparing its Performance with the Performance of Particle Swarm Optimization and Genetic Algorithms.

Supervisor: Dr. Mohammad Taghi Vakili Baghmisheh

**Research interests**

Fault Detection and Reconstruction

Robust Control

Adaptive Control

Nonlinear Control

Fuzzy Control and Fuzzy Systems

Intelligent Control

Optimization

LMI Approach (Linear Matrix Inequality)

**Publications**

Journals:

Parisa Ansari-Bonab; M.Ali Sadrnia, “Robust Actuator and Sensor Faults Reconstruction Using a New Adaptive Sliding Mode Observer for a Class of Output Time-Delay Systems”, ISA Transactions (in preparation)

# Conferences:

# Parisa Ansari-Bonab; [M.Ali Sadrnia](https://ieeexplore.ieee.org/author/37568822000), “Adaptive Sliding Mode Observer for Reconstructing the Actuator Fault” 2nd International Conference On Innovation in Computer science & Electrical Engineering, March 13, 2019, Tehran, Iran.

Sadegh Ebrahimkhani; Parisa Ansari Bonab, “Robust Fractional Order Sliding Mode Control of Single Link Flexible Joint Manipulator” 1st International Conference on New Research Achievements in Electrical and Computer Engineering (ICNRAECE), May 2016, Tehran, Iran.

# Parisa Ansari-Bonab; Ali Karami-Mollaee; [M.Ali Sadrnia](https://ieeexplore.ieee.org/author/37568822000), “Adaptive Fuzzy Dynamic Sliding Mode Control Based LTR Observer for Fault Reconstruction”, [13th Iranian Conference on Fuzzy Systems (IFSC)](https://ieeexplore.ieee.org/xpl/conhome/6662497/proceeding), Qazvin, Iran, December 2013, IEEE Conference Publication

**Teaching Experience**

Teaching “Introduction to Electrical Engineering” Course, Bonab University, Bonab, Iran, September 2016- June 2017

Teaching Assistant of Dr. Mohmmad Ali Sadrnia at Control Lab, Shahrood University, Shahrood, Iran, September 2012- June 2013

Tutoring Linear Control System and Engineering Mathematics from 2010 to present

Tutoring Mathematics and Physics to High School Students from 2008 to present

**Work Experience**

Supervisor of assembly line, Keyvan Noor Jahan Company (Car Battery production), Salimi Industrial Estate, Tabriz, Iran, August 2014-September 2015

**Computer skills**

Programming: Proficient in MATLAB, Good in C/C++

Engineering software: Proficient in MATLAB

Graphical Software: Good in Photoshop and Auto Cad

Typesetting: Proficient in MS Office (Word, Excel, PowerPoint)

**Memberships**

A member of Iranian Engineering Organization

**Honors**

Ranked in the top **1%** among approximately **400’000** participants in the nationwide university entrance

exam for B.S degree, Summer 2004.

**Languages**

English**:** Fluent

TOEFL: Reading: 22, Listening: 19, Speaking: 22, Writing: 22, Overall: 85

Next TOEFL test date: Sep 21, 2019

Persian: Native (Official Language)

Turkish: Advanced level

Azeri: Mother Tongue

**References**

Dr. Moammad Ali Sadrnia

Associate Professor, My Thesis Supervisor, Department of Electrical & Robotic Engineering, Shahrood University of Technology, Shahrood, Iran

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Email: [masadrnia@shahroodut.ac.ir](mailto:masadrnia@shahroodut.ac.ir)

Dr. Mohammad Mehdi Fateh

Professor, Department of Electrical & Robotic Engineering, Shahrood University of Technology, Shahrood, Iran

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Email: [mmfateh@shahroodut.ac.ir](mailto:mmfateh@shahroodut.ac.ir)

**Dr. Alireza Alfi**

Associate Professor

Department of Electrical & Robotic Engineering

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