Parisa Ansari Bonab

Electrical Engineering (Control)

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Education

M.Sc. in Electrical Engineering-Control

University of Shahrood, Shahrood, Iran   September 2011- February 2014
GPA: 16.84 out of 20

Thesis title: Robust Fault Detection Using an Adaptive Sliding Mode Observer for Boeing 747 Aircraft
Accepted with score: 19.08 out of 20
Supervisor: Dr. M.Ali Sadrnia

B.Sc. in Electrical Engineering-Control

University of Tabriz, Tabriz, Iran   September 2004- February 2009
GPA: 13.58 out of 20

Final project: Simulating of Continuous Interacting Ant Colony, and Comparing Performance of it with 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, "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, "Adaptive Fuzzy Dynamic Sliding Mode Control Based LTR Observer for Fault Reconstruction", 13th Iranian Conference on Fuzzy Systems (IFSC), Qazvin, Iran, December 2013.

Teaching Experience

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

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

Tutoring Linear Control System and Engineering Mathematics, 2010 to present

Tutoring Mathematics and Physics to High School Students, 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 **450'000** participants in the nationwide university entrance exam for B.S degree, Summer 2004.

Languages

English**:** Fluent

TOEFL: Reading: 28, Listening: 24, Speaking: 20, Writing: 27, Overall: 99
TOEFL (best score): Reading: 28, Listening: 24, Speaking: 22, Writing: 27, Overall: 101

Persian: Native (Official Language)
Turkish: Advanced level
Azeri: Mother Tongue

References

Dr. M.Ali Sadrnia
Associate Professor, My Thesis Supervisor, Department of Electrical & Robotic Engineering, Shahrood University of Technology, Shahrood, Iran
Email: masadrnia@shahroodut.ac.ir

Dr. Ali Akbarzadeh Kalat
Associate Professor, Department of Electrical & Robotic Engineering, Shahrood University of Technology, Shahrood, Iran
Email: akbarzadeh@shahroodut.ac.ir

Dr. Alireza Alfi
Associate Professor, Department of Electrical & Robotic Engineering, Shahrood University of Technology, Shahrood, Iran
Email: a_alfi@shahroodut.ac.ir