Saeed Ansari-Rad

PERSONAL INFORMATION

Address: Tehran, Navaab

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Birthday: October, 1992

EDUCATION

University of Tehran

M.Sc Student at College of Engineering, University of Tehran, School of ECE.

Electrical and Control Engineering GPA: 18.28/20   Graduated in July 2018

University of Tehran

B.Sc in Electrical Engineering – Control Engineering   GPA: 18.06/20   Graduated in May 2015

RESEARCH INTERESTS

- Adaptive Control
- System Identification
- Evolving Systems
- Parallel Robotics
- Deep Learning and Neural Networks
- Machine Learning
- Data-driven fault detection

RESEARCH PAPERS

1- "Partial identification and control of MIMO systems via switching linear reduced-order models under weak stimulations" Accepted   Evolving Systems, 2017 - Springer

2- "Fault Detection and Diagnosis of a 12-Cylinder Trainset Diesel Engine Based on Vibration Signature Analysis and Neural Network" Accepted   Part C: Journal of Mechanical Engineering Science, 2018

3-"Identification and Control of MIMO Linear Systems under Sufficient and Insufficient Excitation" Accepted   American Control Conference, 2018

4- "A Novel SVD-based Damped Least Square Solution for Estimation Windup"

Under review   Automatica, 2018

5-"Intelligent Fuel Injection Fault Detection of a Trainset Diesel Engine Using Vibration Signature Analysis"   Under review   Journal of Dynamic Systems, Measurement and Control, 2018

6-"Evolutionary TS-fuzzy Algorithm in an AI-aided Integration for Underwater Navigation Systems" Under review   IEEE Journal of Oceanic Engineering, 2018

7-"Stabilization of a Two-DOF Spherical Parallel Robot via a Novel Adaptive Approach"   Under review

6th International Conference on Robotics and Mechatronics, 2018

8-"A Solution for Robust Adaptive Control Problems with Insufficient Excitation via a Novel Damped Least Square"   under submission European Control Conference, 2019

RESEARCH EXPERIENCE

Research Assistant at Human & Robotic Interaction Laboratory   2018-Now

Under supervision of Dr. Tale Masouleh

Research Assistant at Instrumentations Laboratory   2016-2017

Under supervision of Dr. Moosa Ayati

COMPUTER SKILLS

Programming language:

- C/C++ – intermediate
- Verilog/VHDL – intermediate

Related software:

- Matlab – professional
- Altium Designer - professional
- Visual studio - intermediate
- Modelsim – intermediate
- CodeVision – intermediate
- Keil uVision- professional
- Python - intermediate
- R studio - intermediate