Faculty Members Website
University of Tabriz



Jafar Keighobadi

Professor

College: Mechanical Engineering

Papers in Conferences

1. Sadra RafatniaJavad FarajiJavad FarajiJafar KeighobadiJafar KeighobadiAbolfazl totounchi،Design and implementation of model predictive estimation algorithm for In-move aligned INS/GPS system،27th International Conference of Iranian Society of Mechanical Engineers (ISME)At: Tehran, Iran،2019 04 27.
2. Jafar Keighobadi Hossein Nourmohammadi Sadra Rafatnia ,Design and Implementation of GA Filter Algorithm for Baro-inertial Altitude Error Compensation ,ICLTET-2018 ,2018 03 21.

Papers in Journals

1. Mehran Hosseini Jafar Keighobadi Armin Pirastehzad M.J. Yazdanpanah,Immersion and invariance-based extended state observer design for a class of nonlinear systems,International Journal of Robust and Nonlinear Control,2021 05 21.
2. Jafar Keighobadi Mehran Hossein iJavad Faraji،Adaptive neural dynamic surface control of mechanical systems using integral terminal sliding mode،Neurocomputing،2019 12 21.
3. H. Mohammadian Khalafansar Jafar Keighobad,Adaptive Inverse Deep Reinforcement Lyapunov learning control for a floating wind turbine,Scientia Iranica,2023 01 15.
4. Hossein Nourmohammadi iJafar Keighobadi,Decentralized INS/GPS system with MEMS-grade inertial sensors using QR-factorized CKF,IEEE Sensors Journal,2017 06 01.
5. Parisa Doostdar Jafar Keighobadi،INS/GNSS integration using recurrent fuzzy wavelet neural networks،GPS Solutions،2020 05 21.
6. Mohammad Reza Moghanni Bavil Olyaei Jafar Keighobadi Ahmad Ghanbari Angelina Olegovna Zekiy,Passivity-based hierarchical sliding mode control/observer of underactuated mechanical systems,Journal of Vibration and Control,2022 05 19.
7. Mehran Hosseini Jafar Keighobadi,Extended state observer-based robust non-linear integral dynamic surface control for triaxial MEMS gyroscope,Robotica,2019 01 15.
8. Hossein Nourmohammadi Jafar Keighobadi,Fuzzy adaptive integration scheme for low-cost SINS/GPS navigation system,Mechanical Systems and Signal Processing,2018 10 12.
9. Mehran Hosseini ,& Pishrobat Jafar Keighobadi,Robust output regulation of a triaxial MEMS gyroscope via nonlinear active disturbance rejection,International Journal of Robust and Nonlinear Control,2017 10 12.
10. Jafar Keighobadi · Hamid Vosoughi · Javad Faraji,Design and implementation of a model predictive observer for AHRS,GPS Solutions,2018 10 12.
11. Hossein Nourmohammadi iJafar Keighobadi,Design and experimental evaluation of indirect centralized and direct decentralized integration scheme for low-cost INS/GNSS system,GPS Solutions,2018 04 12.

12. Mohammad Reza Moghanni Bavil Olyaei Ahmad Ghanbari Jafar Keighobadi,Trajectory Tracking Control of a Class of Underactuated Mechanical Systems with Nontriangular Normal Form Based on Block Backstepping Approach,Journal of Intelligent & Robotic Systems,2019 01 24.
13. Ahmadreza Najafi Jafar Keighobadi،Full-state-feedback, Fuzzy type I and Fuzzy type II control of MEMS accelerometer،Journal of Mechanical Science and Technology،2018 10 12.
14. Jafar Keighobadi Mehran Hosseini Atta Oveisi Tamara Nestorovi'c,Robust Linear Output Regulation Using Extended State Observer,Mathematical Problems in Engineering Mathematical Problems in,2018 10 12.
15. Jafar Keighobadi Hojjat Fouladi Davood Hashempour Amirreza Rafat Talebi,Dynamical Investigation of Cam-Follower Profile Under Space -100 to + 120°C Temperature Condition,Journal of Mechanical Engineering and Applications,2021 12 19.
16. Jafar Keighobadi Javad Faraji Farrokh Janabi ۹ Sharifi Mohammad Ali Hamed،Design and experimental evaluation of block-pulse functions and Legendre polynomials observer for attitude-heading reference system،ISA Transactions،2021 05 21.
17. Jafar Keighobadi Mehran Hosseini Javad Faraji Milad Naseri،Design and Experimental Evaluation of Immersion and Invariance Observer for Low-Cost Attitude-Heading Reference System،IEEE Transactions on Industrial Electronics،2020 01 24.
18. Mehran Hosseini Jafar Keighobadi،Robust Vibration Control and Angular Velocity Estimation of a Single-Axis MEMS Gyroscope Using Perturbation Compensation،Journal of Intelligent & Robotic Systems،2019 05 21.
19. Jafar Keighobad Mehran Hosseini Javad Faraji Ata Oveisi Tamara Nestorovi،Robust nonlinear control of atomic force microscope via immersion and invariance،INTERNATIONAL JOURNAL OF ROBUST AND NONLINEAR CONTROL،2019 03 10.
20. tta OveisiUmaaran Gogilan Jafar Keighobadi Tamara Nestorovi,State Observer-Based Conditioned Reverse-Path Method for Nonlinear System Identification,Actuators,pp. 24,2024 4 11.
21. H. Mohammadian Khalafansar Jafar Keighobad,Deep Reinforcement Learning with Immersion- and Invariance-based State Observer Control of Wave Energy Converters,International Journal of Engineering,2024 05 01.
22. Jafar Keighobadi Hadi Mohammadian KhalafansarPeiman Naseradinmousavi,Adaptive neural dynamic surface control for uniform energy exploitation of floating wind turbine,Applied Energy,2022 06 15.
23. Sadra Rafatnia Hossein Nourmohammad iJafar Keighobadi,Fuzzy-adaptive constrained data fusion algorithm for indirect centralized integrated SINS/GNSS navigation system,GPS Solutions,2019 04 11.
24. Sadra Rafatnia Hossein Nourmohammadi Keighobadi Mohammad Ali Badamchizadeh,In-move aligned SINS/GNSS system using recurrent wavelet neural network (RWNN)-based integration scheme,Mechatronics,2018 10 12.
25. Hossein Nourmohammadi Jafar Keighobadi,Integration Scheme for SINS/GPS System Based on Vertical Channel Decomposition and In-Motion Alignment,AUT Journal of Modeling, and Simulation,2018 10 12,30.
26. Atta Oveisi Mehran Hosseini Tamara Nestorovi'c Jafar Keighobadi,Observer-based repetitive model predictive control in active vibration suppression,Structural Control and Health Monitoring,2018 10 12.
27. Mahmood Reza Azizi Jafar Keighobadi,Point stabilization of nonholonomic spherical mobile robot using nonlinear model predictive control,Robotics and Autonomous Systems,2017 10 12.