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Education

PhD	Control Engineering, Tarbiat Modares University
MS	Control Engineering, K. N. Toosi University of Technology
BS	Control Engineering, Sharif University of Technology

Research Interests

System Identification

Optimal Control

Adaptive Control

Chaos Synchronization

Stochastic Estimation and Control

Courses:

- Linear Control Systems
- Digital Control Systems
- System Identification
- Optimal Control
- Stochastic Control

Journal Papers:

1. Biazar, ariush; Khaloozadeh, Hamid; Siahi, Mehdi; Evaluating the effect of wind turbine faults on power using the Monte Carlo method, *Wind Energy*, 2022.
2. Aslani Khiavi, Sajjad; Khaloozadeh, Hamid; Soltanian, Fahimeh; Regulating Bullwhip Effect in Supply Chain with Hybrid Recycling Channels using Linear Quadratic Gaussian Controller, *International Journal of Industrial Engineering & Production Research*, 32, 1, 13-27, 2021, *International Journal of Industrial Engineering & Production Research*.
3. Amjadifard, Reza; Tavakoli Bina, Mohammad; Khaloozadeh, Hamid; Bagheroskouei, Farhad; Talebzadeh, Vali; Modeling and Verification of the State Space Equation for an Isolated Series Resonant Converter, *Journal of Control*, 15, 2, 97-105. 2021.
4. Eini, Esmat Jamshidi; Khaloozadeh, Hamid; The tail mean-variance optimal portfolio selection under generalized skew-elliptical distribution, *Insurance: Mathematics and Economics*, 98, 44-50, 2021
5. Eini, Esmat Jamshidi; Khaloozadeh, Hamid; Tail conditional moment for generalized skew-elliptical distributions, *Journal of Applied Statistics*, 2021, Taylor & Francis
6. Rezaei Bahrmand, Mahdi; Khaloozadeh, Hamid; Reihani Ardabili, Parastoo; Design and implementation of a model predictive controller for the COVID-19 spread restraint in Iran, *Journal of Control*, 14, 5, 79-88, 2021, *Journal of Control*.
7. Khiavi, Sajjad Aslani; Khaloozadeh, Hamid; Soltanian, Fahimeh; Suboptimal sliding manifold For nonlinear supply chain with time delay, *Journal of Combinatorial Optimization*, 23-Jan, 2021, Springer US
8. Kalamian, Nasrin; Khaloozadeh, Hamid; Ayati, Moosa; Sub-optimal Estimation of HIV Time-delay Model using State-Dependent Impulsive Observer with Time-varying Impulse Interval: Application to Continuous-time and Impulsive Inputs, *Journal of Control*, 15, 1, 21-34, 2021, *Journal of Control*.
9. Aslani Khiavi, Sajjad; Hashemzadeh, Farzad; Khaloozadeh, Hamid; Sensitivity analysis of the bullwhip effect in supply chains with time delay, *International Journal of Systems Science: Operations & Logistics*, 14-Jan, 2021, Taylor & Francis.
10. Kalamian, Nasrin; Khaloozadeh, Hamid; Ayati, S Moosa; Adaptive state-dependent impulsive observer design for nonlinear deterministic and stochastic dynamics with time-delays. *ISA transactions*. 98. 87-100. 2020. Elsevier.

11. Majidi, Mohammad; Erfanian, Alireza; Khaloozadeh, Hamid; Prediction-discrepancy based on innovative particle filter for estimating UAV true position in the presence of the GPS spoofing attacks, IET Radar, Sonar & Navigation, 14, 6, 2020, IET.
12. Hosseini, SN; Haeri, M; Khaloozadeh, H; , An algorithm to estimate parameters and states of a nonlinear maneuvering target, Cogent Engineering, 2020.
13. Amjadifard, Reza; Bina, Mohammad Tavakoli; Khaloozadeh, Hamid; Bagheroskouei, Farhad; , Proposing an Improved DC LISN for Measuring Conducted EMI Noise, IEEE Transactions on Electromagnetic Compatibility, 2020.
14. Asgari, Mersad; Khaloozadeh, Hamid; , Robust extended Kalman filtering for non-linear systems with unknown input: a UBB model approach, IET Radar, Sonar & Navigation, 2020.
15. Hosseini, SN; Haeri, M; Khaloozadeh, H; , Adaptive passive sensor selection for maneuvering target localization and tracking using a multisensor surveillance system, Cogent Engineering, 2020.
16. Shahrokhi, S Raheleh; Khaloozadeh, Hamid; Momeni, HamidReza; , Analyzing the Advantage of Combination of Density Forecasts in Tehran Stock Exchange, **International Journal of Industrial Electronics, Control and Optimization**, 2020.
17. Aliahmadi, Hazhir; Tavakoli-Kakhki, Mahsan; Khaloozadeh, Hamid; , Option pricing under finite moment log stable process in a regulated market: a generalized fractional path integral formulation and Monte Carlo based simulation, Communications in Nonlinear Science and Numerical Simulation, 2020.
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