

## Doç.Dr. Farzad Hashemzadeh

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: AFV-5308-2022

ScopusID: 24172463300

### Eğitim Bilgileri

Bütünleşik Doktora, Tabriz University, Faculty of Electrical and Computer Engineering, Control Engineering Department, İran 2008 - 2012

Yüksek Lisans, University of Tehran, Faculty of Electrical and Computer Engineering, Control Engineering Department, İran 2003 - 2006

Lisans, Amir Kabir Teknik Üniversitesi, Faculty of Biomedical Engineering, İran 1999 - 2003

### Yaptığı Tezler

Bütünleşik Doktora, Adaptive controller for nonlinear teleoperation systems with varying time delay, Tabriz University, 2012

Yüksek Lisans, Machine vision systems for dynamical target tracking, University of Tehran, 2006

### Araştırma Alanları

Kontrol ve Sistem Mühendisliği, Dağıtık Kontrol Sistemleri, Robotik ve Mekatronik Sistemler, Bilgisayar Öğrenimi, Örüntü Tanıma ve Görüntü İşleme, Sistem Dinamiği ve Kontrolü

### Akademik Unvanlar / Görevler

Doç.Dr., İstanbul Teknik Üniversitesi, Elektrik-Elektronik, Kontrol Ve Otomasyon Mühendisliği, 2024 - Devam Ediyor

Doç.Dr., Tabriz University, Faculty of Electrical and Computer Engineering, Control Engineering Department, 2017 - Devam Ediyor

Dr.Öğr.Üyesi, Tabriz University, Faculty of Electrical and Computer Engineering, Control Engineering Department, 2012 - 2017

Araştırmacı, University of Alberta, Electrical and Computer Engineering Department, TBS Lab, 2011 - 2012

### Akademik İdari Deneyim

Fakülte Yönetim Kurulu Üyesi, Tabriz University, Faculty of Electrical and Computer Engineering, Control Engineering Department, 2018 - 2022

Member of the HSE committee of the University, Tabriz University, Technology Affairs Office of the University, 2016 - 2018

## Yönetilen Tezler

Hashemzadeh F., Control of a Class of Asynchronous Switched Systems, Bütünleşik Doktora, A.Sehatnia(Öğrenci), 2023

Hashemzadeh F., Fault estimation and fault tolerant control for a class of nonlinear networked control systems, Bütünleşik Doktora, F.Jani(Öğrenci), 2022

Hashemzadeh F., Distributed Model Predictive Control of Switched Linear Systems, Bütünleşik Doktora, M.Alinia(Öğrenci), 2020

Hashemzadeh F., Nonlinear Robust Controller Design for a Manipulator Robot Subjected to a Class of Dynamic Uncertainties in Actuators, Bütünleşik Doktora, S.Ahangarian(Öğrenci), 2019

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Predictive consensus tracking of multi-agent systems in the presence of Byzantine agents and connection loss of reference signals**  
Rezaei M. A., Bagheri P., Hashemzadeh F.  
Optimal Control Applications and Methods, cilt.45, sa.2, ss.842-854, 2024 (SCI-Expanded)
- II. **Distributed switched model-based predictive control for distributed large-scale systems with switched topology**  
Alinia Ahandani M., Kharrati H., Hashemzadeh F., Baradarannia M.  
International Journal of Systems Science, cilt.55, sa.5, ss.980-1004, 2024 (SCI-Expanded)
- III. **Sensitivity analysis of the bullwhip effect in supply chains with time delay**  
Aslani Khiavi S., Hashemzadeh F., Khaloozadeh H.  
International Journal of Systems Science: Operations and Logistics, cilt.10, sa.1, 2023 (SCI-Expanded)
- IV. **Robust event-triggered finite-time control of faulty networked flexible manipulator under external disturbance**  
Jani F., Hashemzadeh F., Baradarannia M., Kharrati H.  
JVC/Journal of Vibration and Control, cilt.29, sa.1-2, ss.317-333, 2023 (SCI-Expanded)
- V. **Event-triggered surrounding adaptive control of nonlinear multi-agent systems**  
Babazadeh H., Baradarannia M., Hashemzadeh F.  
ISA Transactions, cilt.128, ss.44-57, 2022 (SCI-Expanded)
- VI. **Further enhancement on  $H_\infty$  sliding mode control design for singular Markovian jump systems with partly known transition probabilities**  
Fallah Z., Baradarannia M., Kharrati H., Hashemzadeh F.  
JVC/Journal of Vibration and Control, cilt.28, sa.9-10, ss.1187-1199, 2022 (SCI-Expanded)
- VII. **Robust Finite-Time Contractive Fault Tolerant Control of Uncertain Nonlinear Network-Based Systems with Adaptive Event-Triggered Communication Scheme**  
Jani F., Hashemzadeh F., Baradarannia M., Kharrati H.  
Iranian Journal of Science and Technology - Transactions of Electrical Engineering, cilt.46, sa.1, ss.141-155, 2022 (SCI-Expanded)
- VIII. **Control for Leader-Follower Consensus of Multi-agent Systems with Actuator Faults Using Decentralized Robust Fault-tolerant Control**  
Khodabandeh S., Kharrati H., Hashemzadeh F.  
Iranian Journal of Science and Technology - Transactions of Electrical Engineering, cilt.45, sa.2, ss.529-541, 2021 (SCI-Expanded)
- IX. **Delay-Robust Nonlinear Control of Bounded-Input Telerobotic Systems with Synchronization Enhancement**

- Zakerimanesh A., Sharifi M., Hashemzadeh F., Tavakoli M.  
IEEE Robotics and Automation Letters, cilt.6, sa.2, ss.2493-2500, 2021 (SCI-Expanded)
- X. **Extended hybrid control scheme for asynchronous switching**  
Sehatnia A., Hashemzadeh F., Baradarannia M.  
Journal of the Franklin Institute, cilt.358, sa.3, ss.1693-1714, 2021 (SCI-Expanded)
- XI. **Decentralized switched model-based predictive control for distributed large-scale systems with topology switching**  
Ahandani M. A., Kharrati H., Hashemzadeh F., Baradarannia M.  
Nonlinear Analysis: Hybrid Systems, cilt.38, 2020 (SCI-Expanded)
- XII. **Exponential stability of bilateral sampled-data teleoperation systems using multirate approach**  
Ghavifekr A. A., Ghiasi A. R., Badamchizadeh M. A., Hashemzadeh F.  
ISA Transactions, cilt.105, ss.190-197, 2020 (SCI-Expanded)
- XIII. **Prescribed performance distance-based formation control of Multi-Agent Systems**  
Mehdifar F., Bechlioulis C. P., Hashemzadeh F., Baradarannia M.  
Automatica, cilt.119, 2020 (SCI-Expanded)
- XIV. **Task-space synchronisation of nonlinear teleoperation with time-varying delays and actuator saturation**  
Zakerimanesh A., Hashemzadeh F., Tavakoli M.  
International Journal of Control, cilt.93, sa.6, ss.1328-1344, 2020 (SCI-Expanded)
- XV. **Finite-Time Rigidity-Based Formation Maneuvering of Multiagent Systems Using Distributed Finite-Time Velocity Estimators**  
Mehdifar F., Hashemzadeh F., Baradarannia M., de Queiroz M.  
IEEE Transactions on Cybernetics, cilt.49, sa.12, ss.4473-4484, 2019 (SCI-Expanded)
- XVI. **A cooperative paradigm for task-space control of multilateral nonlinear teleoperation with bounded inputs and time-varying delays**  
Zakerimanesh A., Hashemzadeh F., Torabi A., Tavakoli M.  
Mechatronics, cilt.62, 2019 (SCI-Expanded)
- XVII. **Controlled Synchronization of Nonlinear Teleoperation in Task-space with Time-varying Delays**  
Zakerimanesh A., Hashemzadeh F., Torabi A., Tavakoli M.  
International Journal of Control, Automation and Systems, cilt.17, sa.8, ss.1875-1883, 2019 (SCI-Expanded)
- XVIII. **An adaptive robust control scheme for robot manipulators with unknown backlash nonlinearity in gears**  
Ahangarian Abhari S., Hashemzadeh F., Baradarannia M., Kharrati H.  
Transactions of the Institute of Measurement and Control, cilt.41, sa.10, ss.2789-2802, 2019 (SCI-Expanded)
- XIX. **Finite-time-estimation-based surrounding control for a class of unknown nonlinear multi-agent systems**  
Sharghi A., Baradarannia M., Hashemzadeh F.  
Nonlinear Dynamics, 2019 (SCI-Expanded)
- XX. **Consensus Control of Hierarchical Multi-agent Systems with Constant and Time-Varying Delays**  
Rikhtegar Ghiasi A., Dehghani Aghbolagh H., Hashemzadeh F., Baradarannia M.  
Iranian Journal of Science and Technology - Transactions of Electrical Engineering, cilt.42, sa.4, ss.479-484, 2018 (SCI-Expanded)
- XXI. **Stability analysis of the linear discrete teleoperation systems with stochastic sampling and data dropout**  
Ghavifekr A. A., Ghiasi A. R., Badamchizadeh M. A., Hashemzadeh F., Fiorini P.  
European Journal of Control, cilt.41, ss.63-71, 2018 (SCI-Expanded)
- XXII. **Surrounding control of nonlinear multi-agent systems with non-identical agents**  
Shoja S., Baradarannia M., Hashemzadeh F., Badamchizadeh M., Bagheri P.  
ISA Transactions, cilt.70, ss.219-227, 2017 (SCI-Expanded)
- XXIII. **Dual-user nonlinear teleoperation subjected to varying time delay and bounded inputs**  
Zakerimanesh A., Hashemzadeh F., Ghiasi A. R.

- ISA Transactions, cilt.68, ss.33-47, 2017 (SCI-Expanded)
- XXIV. **Position and force tracking in nonlinear teleoperation systems with sandwich linearity in actuators and time-varying delay**  
Ganjefar S., Rezaei S., Hashemzadeh F.  
Mechanical Systems and Signal Processing, cilt.86, ss.308-324, 2017 (SCI-Expanded)
- XXV. **A novel method of modeling dynamic evolutionary game with rational agents for market forecasting**  
Talebimotlagh N., Hashemzadeh F., Rikhtehgar Ghiasi A., Ghaemi S.  
Economic Computation and Economic Cybernetics Studies and Research, cilt.51, sa.1, ss.281-302, 2017 (SCI-Expanded)
- XXVI. **Nonlinear trilateral teleoperation stability analysis subjected to time-varying delays**  
Hashemzadeh F., Sharifi M., Tavakoli M.  
Control Engineering Practice, cilt.56, ss.123-135, 2016 (SCI-Expanded)
- XXVII. **A new robust observer-based adaptive type-2 fuzzy control for a class of nonlinear systems**  
Mohammadzadeh A., Hashemzadeh F.  
Applied Soft Computing Journal, cilt.37, ss.204-216, 2015 (SCI-Expanded)
- XXVIII. **Position and force tracking in nonlinear teleoperation systems under varying delays**  
Hashemzadeh F., Tavakoli M.  
Robotica, cilt.33, sa.4, ss.1003-1016, 2015 (SCI-Expanded)
- XXIX. **A new fractional order hold and its capability in frequency response and zero placement**  
Hashemzadeh F., Rezaei Pish-Robot A., Jabehdar-Maralani P.  
Journal of Applied Mathematics, cilt.2013, 2013 (SCI-Expanded)
- XXX. **Teleoperation in the presence of varying time delays and sandwich linearity in actuators**  
Hashemzadeh F., Hassanzadeh I., Tavakoli M.  
Automatica, cilt.49, sa.9, ss.2813-2821, 2013 (SCI-Expanded)
- XXXI. **Nonlinear disturbance observer design for robotic manipulators**  
Mohammadi A., Tavakoli M., Marquez H., Hashemzadeh F.  
Control Engineering Practice, cilt.21, sa.3, ss.253-267, 2013 (SCI-Expanded)
- XXXII. **Adaptive control for state synchronization of nonlinear haptic telerobotic systems with asymmetric varying time delays**  
Hashemzadeh F., Hassanzadeh I., Tavakoli M., Alizadeh G.  
Journal of Intelligent and Robotic Systems: Theory and Applications, cilt.68, sa.3-4, ss.245-259, 2012 (SCI-Expanded)
- XXXIII. **A new method for bilateral teleoperation passivity under varying time delays**  
Hashemzadeh F., Hassanzadeh I., Tavakoli M., Alizadeh G.  
Mathematical Problems in Engineering, cilt.2012, 2012 (SCI-Expanded)
- XXXIV. **A decentralized PID controller based on optimal shrinkage of Gershgorin bands and PID tuning using Colonial Competitive Algorithm**  
Atashpaz-Gargari E., Rajabioun R., Hashemzadeh F., Salmasi F.  
International Journal of Innovative Computing, Information and Control, cilt.5, sa.10, ss.3227-3240, 2009 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **A Novel Strategy of Extending the Domain of Attraction of Affine Nonlinear Systems**  
Yadipour M., Hashemzadeh F., Baradarannia M.  
Journal of Mathematical Sciences (United States), cilt.276, sa.2, ss.289-299, 2023 (Scopus)
- II. **Scaled Consensus Tracking Under Constant Time Delay**  
Aghbolagh H. D., Ebrahimkhani E., Hashemzadeh F.  
IFAC-PapersOnLine, cilt.49, sa.22, ss.240-243, 2016 (Scopus)
- III. **Optimal active suspension control based on a quarter-car model: An analytical solution**

Shirjoposht N. P., Hassanzadeh I., Hashemzadeh F., Alizadeh G.  
International Journal of Vehicle Safety, cilt.5, sa.1, ss.1-20, 2010 (Scopus)

IV. **Colonial competitive algorithm: A novel approach for PID controller design in MIMO distillation column process**

Atashpaz Gargari E., Hashemzadeh F., Rajabioun R., Lucas C.  
International Journal of Intelligent Computing and Cybernetics, cilt.1, sa.3, ss.337-355, 2008 (Scopus)

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **The Effect of Observer Position on Networked Control Systems with Random Transmission Delays and Packet Dropouts**  
Mohammadi-Asl E., Hashemzadeh F., Baradarannia M., Bagheri P.  
8th International Conference on Control, Instrumentation and Automation, ICCIA 2022, Virtual, Online, İran, 2 - 03 Mart 2022
- II. **Consensus Tracking of Multi-Agent Systems in The Presence of Byzantine Agents Using Model Predictive Control**  
Rezaei M. A., Bagheri P., Hashemzadeh F.  
8th International Conference on Control, Instrumentation and Automation, ICCIA 2022, Virtual, Online, İran, 2 - 03 Mart 2022
- III. **Economic Model Predictive Controller Design with a New Cost Function for Linear Systems**  
Sadafi S., Bagheri P., Hashemzadeh F.  
7th International Conference on Control, Instrumentation and Automation, ICCIA 2021, Tabriz, İran, 23 - 24 Şubat 2021
- IV. **Observer-based controller design for a class of networked control systems with transmission delays and packet losses**  
Asl E. M., Hashemzadeh F., Baradarannia M., Bagheri P.  
7th International Conference on Control, Instrumentation and Automation, ICCIA 2021, Tabriz, İran, 23 - 24 Şubat 2021
- V. **Robust stabilization of a class of switched nonlinear systems with time-varying delay and parametric uncertainty under asynchronous switching**  
Taghieh A., Hashemzadeh F., Shafiei M. H.  
28th Iranian Conference on Electrical Engineering, ICEE 2020, Tabriz, İran, 4 - 06 Ağustos 2020
- VI. **Robust stabilization of discrete-Time switched systems with state delay and parametric uncertainty via model predictive control approach**  
Taghieh A., Hashemzadeh F., Shafiei M. H.  
6th International Conference on Control, Instrumentation and Automation, ICCIA 2019, Sanandaj, İran, 30 - 31 Ekim 2019
- VII. **Task-space position and containment control of redundant manipulators with bounded inputs**  
Zakerimanesh A., Torabi A., Hashemzadeh F., Tavakoli M.  
15th IEEE International Conference on Automation Science and Engineering, CASE 2019, Vancouver, Kanada, 22 - 26 Ağustos 2019, cilt.2019-August, ss.431-436
- VIII. **Novel sliding mode controller for power control of a doubly fed induction generator in variable speed wind turbine**  
Lat Leily M. R., Tohidi S., Hashemzadeh F., Shotorbani A. M.  
2019 Iranian Conference on Renewable Energy and Distributed Generation, ICREDG 2019, Tehran, İran, 11 - 12 Haziran 2019
- IX. **A New Fractional-order Control Method for Robust Synchronization between Fractional-order Uncertain Permanent Magnet Synchronous Motors**  
Pashaei S., Hashemzadeh F.  
27th Iranian Conference on Electrical Engineering, ICEE 2019, Yazd, İran, 30 Nisan - 02 Mayıs 2019, ss.904-908

- X. **New Finite-time Stability and Boundedness Conditions for Time-Delay Switched Linear Systems with Finite-Time Unstable and Unbounded Subsystems**  
Pashaei S., Hashemzadeh F.  
27th Iranian Conference on Electrical Engineering, ICEE 2019, Yazd, İran, 30 Nisan - 02 Mayıs 2019, ss.891-897
- XI. **A new observer based Robust output feedback Controller on Coaxial Tri-copter**  
Salimi S., Hashemzadeh F., Khanmohamadi S., Baradarannia M.  
27th Iranian Conference on Electrical Engineering, ICEE 2019, Yazd, İran, 30 Nisan - 02 Mayıs 2019, ss.962-967
- XII. **Scaled consensus of multi-agent systems under time delay**  
Ebrahimkhani E., Hashemzadeh F.  
2018 Australian and New Zealand Control Conference, ANZCC 2018, Melbourne, Avustralya, 7 - 08 Aralık 2018, ss.216-221
- XIII. **An optimized controller for region of attraction enlargement of underactuated systems using impulse manifold method**  
Pooshaneh R., Baradarannia M., Farzamnia A., Hashemzadeh F.  
2018 IEEE International Conference on Artificial Intelligence in Engineering and Technology, IICAIET 2018, Kota-Kinabalu, Malezya, 08 Kasım 2018, ss.106-110
- XIV. **Adaptive surrounding control for linear multi-agent systems with unknown disturbance**  
Sharghi A., Baradarannia M., Hashemzadeh F.  
2018 9th International Conference on Mechatronics and Manufacturing, ICMM 2018, Phuket, Tayland, 27 - 29 Ocak 2018, cilt.361
- XV. **Position and velocity synchronization in bilateral teleoperation in presence of stochastic disturbances in control inputs**  
Sakha M. S., Hashemzadeh F., Tavakoli M.  
2017 IEEE International Conference on Systems, Man, and Cybernetics, SMC 2017, Banff, Kanada, 5 - 08 Ekim 2017, cilt.2017-January, ss.2194-2199
- XVI. **Controller design to enlarge the domain of attraction for a class of nonlinear systems**  
Yadipour M., Hashemzadeh F., Baradarannia M.  
2017 International Conference on Research and Education in Mechatronics, REM 2017, Wolfenbuettel, Almanya, 14 - 15 Eylül 2017
- XVII. **Controller design to enlarge the domain of attraction for a class of nonlinear systems**  
Yadipour M., Hashemzadeh F., Baradarannia M.  
2017 International Conference on Research and Education in Mechatronics, REM 2017, Wolfenbuettel, Almanya, 14 - 15 Eylül 2017
- XVIII. **Time Optimal Control and Switching Curve Analysis for Caputo Fractional Systems**  
Zolfaghari Z., Baradarannia M., Hashemzadeh F., Ghaemi S.  
3rd International Conference on Soft Computing and Machine Intelligence, ISCFMI 2016, Dubai, Birleşik Arap Emirlikleri, 23 - 25 Kasım 2016, ss.229-233
- XIX. **Leader-Follower Fixed-Time Consensus for Multi-agent Systems with Heterogeneous Non-linear Inherent Dynamics**  
Sharghi A., Baradarannia M., Hashemzadeh F.  
3rd International Conference on Soft Computing and Machine Intelligence, ISCFMI 2016, Dubai, Birleşik Arap Emirlikleri, 23 - 25 Kasım 2016, ss.224-228
- XX. **Scaled consensus of descriptor multi-Agent systems**  
Ebrahimkhani E., Ghiasi A. R., Hashemzadeh F., Baradarannia M.  
10th International Conference on Electrical and Electronics Engineering, ELECO 2017, Bursa, Türkiye, 29 Kasım - 02 Aralık 2017, cilt.2018-January, ss.938-943
- XXI. **Distributed fault tolerant control and estimation for leader-follower consensus of multi-agent systems with actuator faults**  
Khodabandeh S., Shishavan H. K., Hashemzadeh F.  
4th IEEE International Conference on Knowledge-Based Engineering and Innovation, KBEI 2017, Tehran, İran, 22 Aralık 2017, cilt.2018-January, ss.872-877

- XXII. **Hybrid driven based robust stabilization for networked control systems**  
Farjadnia M., Hashemzadeh F., Bagheri P.  
4th IEEE International Conference on Knowledge-Based Engineering and Innovation, KBEI 2017, Tehran, İran, 22 Aralık 2017, cilt.2018-January, ss.747-752
- XXIII. **On distance-based formation control: A nonlinear mapping approach and its applications**  
Mehdifar F., Hashemzadeh F., Baradarannia M.  
4th IEEE International Conference on Knowledge-Based Engineering and Innovation, KBEI 2017, Tehran, İran, 22 Aralık 2017, cilt.2018-January, ss.741-746
- XXIV. **An analytical eigenvalue assignment of linear time-delay systems using Lambert W function**  
Nemati M., Hashemzadeh F., Baradarannia M., Ghiasi A.  
5th International Conference on Control, Instrumentation, and Automation, ICCIA 2017, Shiraz, İran, 21 - 23 Kasım 2017, cilt.2018-January, ss.222-227
- XXV. **Delay-independent Li controller for linear systems with time-varying delay**  
Nobarian M. S., Nemati M., Hashemzadeh F.  
5th International Conference on Control, Instrumentation, and Automation, ICCIA 2017, Shiraz, İran, 21 - 23 Kasım 2017, cilt.2018-January, ss.275-278
- XXVI. **Optimal H<sub>1</sub> control for linear time-delayed systems using GSA algorithm**  
Nobarian M. S., Asl R. M., Nemati M., Hashemzadeh F.  
4th International Conference on Control, Instrumentation, and Automation, ICCIA 2016, Qazvin, İran, 27 - 28 Ocak 2016, ss.111-115
- XXVII. **State feedback time-optimal controller for linear systems with input delay**  
Kankashvar M. R., Hashemzadeh F., Baradarannia M., Ghiasi A. R.  
2nd International Conference on Knowledge-Based Engineering and Innovation, KBEI 2015, Tehran, İran, 5 - 06 Kasım 2015, ss.582-588
- XXVIII. **A new adaptive neural network based observer for robotic manipulators**  
Asl R. M., Hashemzadeh F., Badamchizadeh M. A.  
3rd RSI/ISM International Conference on Robotics and Mechatronics, ICROM 2015, Tehran, İran, 7 - 09 Ekim 2015, ss.663-668
- XXIX. **Haptic teleoperation under variable delay and actuator saturation**  
Hashemzadeh F., Tavakoli M., Hassanzadeh I.  
2013 IEEE World Haptics Conference, WHC 2013, Daejeon, Güney Kore, 14 - 17 Nisan 2013, ss.377-382
- XXX. **Adaptive control of nonlinear teleoperation systems with varying asymmetric time delays**  
Hashemzadeh F., Hassanzadeh I., Tavakoli M., Alizadeh G.  
25th IEEE/RSJ International Conference on Robotics and Intelligent Systems, IROS 2012, Vilamoura, Algarve, Portekiz, 7 - 12 Ekim 2012, ss.3023-3028
- XXXI. **Grid roadmap based real time path planning**  
Bahar M., Bahar H., Hashemzadeh F.  
2011 17th International Conference on Automation and Computing, ICAC 2011, Huddersfield, İngiltere, 10 Eylül 2011, ss.75-79
- XXXII. **Decentralized pid controller design for a MIMO evaporator based on colonial competitive algorithm**  
Rajabioun R., Hashemzadeh F., Atashpaz-Gargary E., Mesgari B., Rajae F.  
17th World Congress, International Federation of Automatic Control, IFAC, Seoul, Güney Kore, 6 - 11 Temmuz 2008, cilt.17
- XXXIII. **Designing MIMO PUD controller using colonial competitive algorithm: Applied to distillation column process**  
Atashpaz-Gargary E., Hashemzadeh F., Lucas C.  
2008 IEEE Congress on Evolutionary Computation, CEC 2008, Hong Kong, Çin, 1 - 06 Haziran 2008, ss.1929-1934
- XXXIV. **Semi-global enlargement of domain of attraction for a class of affine nonlinear systems**  
Hashemzadeh F., Yazdanpanah M. J.  
Joint 2006 IEEE Conference on Control Applications (CCA), Computer-Aided Control Systems Design Symposium (CACSD) and International Symposium on Intelligent Control (ISIC), Munich, Almanya, 4 - 06 Ekim 2006, ss.2257-

2262

**XXXV. Mixture weighted gating and its application to target tracking**

Hashemzadeh F., Araabi B. N., Lucas C.

Joint 2006 IEEE Conference on Control Applications (CCA), Computer-Aided Control Systems Design Symposium (CACSD) and International Symposium on Intelligent Control (ISIC), Munich, Almanya, 4 - 06 Ekim 2006, ss.1639-1644

**XXXVI. Semi-global enlargement of domain of attraction for a class of affine nonlinear systems**

Hashemzadeh F., Yazdanpanah M.

2006 IEEE International Conference on Control Applications, CCA 2006, Munich, Almanya, 4 - 06 Ekim 2006, ss.2257-2262

## **Desteklenen Projeler**

Hashemzadeh F., TÜBİTAK Projesi, Surveillance of moving targets by an active perception of cooperative drones, 2022 - 2023

Hashemzadeh F., Şirket, Design and developing SCARA robot for very precise pick and place applications, 2021 - 2022

Hashemzadeh F., Diğer Resmi Kurumlarca Desteklenen Proje, Control and analysis of distributed networked systems, 2018 - 2021

Hashemzadeh F., Diğer Resmi Kurumlarca Desteklenen Proje, Measurement and modeling of satellite reaction wheel disturbances using acceleration and force sensors, 2017 - 2018

## **Metrikler**

Yayın: 76

Atıf (Scopus): 1279

H-İndeks (Scopus): 14

## **Ödüller**

Hashemzadeh F., TUBİTAK - 2221 fellowship, Tübitak, Ağustos 2022