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Supervised PhD Theses

#	Thesis title	By	Date
1	An analytical method based on pseudo linear form for determination of chaotic autonomous system	Hamed Ghane- Sasansaraee & Mohammad Bagher Menhaj	September 2014
2	Performance limitation analysis for a class of non-minimum phase nonlinear systems and their control	Hoda Nokhbatolfoghahae & Mohammad Bagher Menhaj	January 2014
3	Modified Distributed EM Algorithm for Density Estimation and Clustering in Sensor Networks	Behrooz Safari Nejhadian & Mohammad Bagher Menhaj	November 2009
4	Multiagent formation in adversarial environment based on reinforcement learning	Ali Akramizadeh & Mohammad Bagher Menhaj	October 2009

Supervised MSc Theses

#	Thesis title	By	Date
1	Dynamic merge of micro robots based on nervous system theory	Mir Sina Valaei & Mohammad Bagher Menhaj	October 2021
2	Risk management in electricity market based on machine learning	Ava Geraily & Mohammad Bagher Menhaj	September 2021
3	EEG based brain-computer interface approach for controlling the speed of a hand rehabilitation system	Seyed Nima Ahmadi Amiri & Mohammad Bagher Menhaj	February 2021

4	Modeling and prediction of epilepsy using neural networks	Simin Khalilpour & Mohammad Bagher Menhaj	July 2020
5	3D Based Tumor Segmentation Using Generalized Multi Layer Networks	Mohammadreza Abbasi Sardari & Mohammad Bagher Menhaj	July 2020
6	Implementation of hybrid path planning algorithms on an intelligent transport robot	Navid Zarrabi & Mohammad Bagher Menhaj	February 2020
7	Attitude determination and consensus control in multi-spacecraft systems	Majid Ghorbani & Mohammad Bagher Menhaj	February 2020
8	model visual cortex using deep network for 2d images	Moslem Gorji & Mohammad Bagher Menhaj	October 2019
9	Modeling of Visula cortex V3 area using FMRI	Parsa Zhooldideh & Mohammad Bagher Menhaj	October 2019
10	Voltage control of microgrid Usinf fuzzy model predictive control and its implementation	Naser Padar & Mohammad Bagher Menhaj	July 2019
11	Perception of touch in human	Hossein Mehdipour Ahangar & Mohammad Bagher Menhaj	July 2019
12	design and simulation of tactile sensor by using Neuromorphic model	Elham Eskandari Maleki & Mohammad Bagher Menhaj	July 2019
13	Design modeling and implementation of mounting arm of insulator cleaning robot	Eshagh Arefnejad & Mohammad Bagher Menhaj	March 2019
14	Modeling of behavior of V4 in visual cortex	Fatemeh Kamali & Mohammad Bagher Menhaj	February 2019
15	Adaptive control of fully-constrained cable robots considering elasticity in cables : Integral manifold approach	Amin Nazari & Mohammad Bagher Menhaj	July 2018
16	increasing performance of ms disease diagnosis using mr1 and vital signs	Saba Heidari Gheslaghi & Mohammad Bagher Menhaj	February 2018
17	Design and hardware implementation of 1DoF exoskeleton system for upper limb rehabilitation based on multiple electrical biosignals	Seyed Hesam Seyed Gholami & Mohammad Bagher Menhaj	February 2018
18	Design , Modeling and Control of Stewart platform(Hexapod).	Sadegh Mehrabi & Mohammad Bagher Menhaj	February 2018
19	Design and hardware implementation of 1DoF exoskeleton system for upper limb rehabilitation based on Single electrical biosignal	Alireza Zolanvari & Mohammad Bagher Menhaj	February 2018
20	Frequency Control of Microgrids by Considering the Energy Storage System Presence	Alireza Ziroohi & Mohammad Bagher Menhaj	July 2017
21	Formation of Duckted Fans with Switching Interconnetion Topology	Meisam Kabiri & Mohammad Bagher Menhaj	February 2017
22	: Optimal Switching Control for Energy Management in Hybrid Electric Vehicles	Reza Naseri & Mohammad Bagher Menhaj	October 2016
23	Urban Traffic Intelligent Base Modeling and Control	Fatemeh Sadeghiyan & Mohammad Bagher Menhaj	June 2016
24	Coverage Control For Mine detection Considering Loosing Robots	Afshin Mohammadi & Mohammad Bagher Menhaj	April 2016
25	An Intelligent Base Control System for Frequency Control in Island micro grid	Amirhosein Nazeri Ardakani & Mohammad Bagher Menhaj	February 2016

26	fluid transport container by UAVs	Abdulghafoor Salehzadeh Aghdam & Mohammad Bagher Menhaj	February 2016
27	Fault Tolerant Control for Wind Turbine	Amir Tasdighi & Mohammad Bagher Menhaj	February 2016
28	control and design of mobile robots using cognitive architecture for swarm movement	Mohammad Nikkhoo & Mohammad Bagher Menhaj	January 2016
29	Fault Tolerant Control of steam Boiler in The Presence of Input Signal Constraints	Ali Kazemi & Mohammad Bagher Menhaj	December 2015
30	Fault Detection of Boiler's Actuator Using Intelligent Estimator	Arash Daneshnia & Mohammad Bagher Menhaj	December 2015
31	dynamic modeling and analysis of a sewing machine for design a controller for better performance	Mahboobeh Malekdoost Pishkenari & Mohammad Bagher Menhaj	December 2015
32	Fault Tolerant Control in Multi Agent System Against Actuator Failure	Mohammad Eslami & Mohammad Bagher Menhaj	October 2015
33	Providing a new Encryption algorithm based on Chaotic Neural Network	Meysam Dadashnejad Samakosh & Mohammad Bagher Menhaj	September 2015
34	Synchronization of Ensemble of G-Neurons based on Hybrid of Adaptive-Impulsive Control	Forouzan Vasheghani Farahani & Mohammad Bagher Menhaj	September 2015
35	.Collision- free trajectory planning and fault tolerant fault- tolerant control of serial manipulators	Mojtaba Yazdani & Mohammad Bagher Menhaj	May 2015
36	design of tasks allocation algorithms in substance carriers	Seyed Amin Hosseini & Mohammad Bagher Menhaj	March 2015
37	Imitation learning for skill acquisition in humanoids using statistical dynamical systems	Marjan Mirzayusef Jadid & Mohammad Bagher Menhaj	February 2015
38	designing of multi-agent control system for frequency control following independent networks	Samira Gholamalipoor Hend Khale & Mohammad Bagher Menhaj	February 2015
39	Design and simulation of a generalized predictive controller for switching converters in DGs	Ali Mohammadi & Mohammad Bagher Menhaj	February 2015
40	Electrical traction power system analysis and optimal control for improving its behavior	Amir Adibzade & Mohammad Bagher Menhaj	February 2015
41	modeling driver distraction in a cognitive architecture	Rouhollah Javaher Saz & Mohammad Bagher Menhaj	December 2014
42	Smart calibration of a magnetic compass for vehicular applications	Vahid Najafi Mansouri & Mohammad Bagher Menhaj	October 2014
43	Coverage Control Considering Non-Convex Obstacles	Hamed Fathalizadeh Parapari & Mohammad Bagher Menhaj	October 2014
44	Simulation And Control of a quadrotor unmanned aerial vehicle for a special maneuver	Fardin Fakurian & Mohammad Bagher Menhaj	October 2014
45	Population-based Modeling via Multi-agent Theory	Mohammad Mokhtari & Mohammad Bagher Menhaj	October 2014

46	Formation of multi-agents system (MAS) with iterative learning control (ILC)	Navid Esmaeilzadeh Ghahderjani & Mohammad Bagher Menhaj	October 2014
47	Control of two-wheeled mobile robot on uneven surface	Parham Mohsenzadeh Kebria & Mohammad Bagher Menhaj	September 2014
48	Stability analysis of WAM model of 2-D systems and stabilization of such systems using fuzzy theory	Abbasali Forghani Elahabadi & Mohammad Bagher Menhaj	September 2014
49	Design and Implementation of an Automatic Meter Reading System	Mohsen Karimi & Mohammad Bagher Menhaj	September 2014
50	Designing and Building a Low Altitude Terrain-Following Quadrotor	Farzad Ahmadinejad & Mohammad Bagher Menhaj	June 2014
51	Design and hardware implementation of filtering algorithms in navigation, conduction and control systems by nonlinear sliding mode observer	Mustafa Rezaee Bilondi & Mohammad Bagher Menhaj	February 2014
52	Modeling driver behavior in turns in a cognitive architecture and learning it through demonstrations	Atabak Dehban & Mohammad Bagher Menhaj	February 2014
53	(Multi model control simultaneous control of position and orientation in a non-holonomic mobile robot	Reza Zarei & Mohammad Bagher Menhaj	January 2014
54	Guided visual search as a new optimizer and its approach on flexible link control	Sajjad Yazdani & Mohammad Bagher Menhaj	July 2013
55	A new algorithm of model free optimization and its application on model predictive control design	Seyyed Mahdi Akrami & Mohammad Bagher Menhaj	February 2013
56	Modeling And Control Of Job Shop Systems Using Max-Plus Algebra	Seyed Hadi Seysd Ali Zadeh Ara & Mohammad Bagher Menhaj	February 2013
57	Application of chaotic encryption techniques in a mechatronic system implementing a choatic encryptor	Milad Safaei & Mohammad Bagher Menhaj	February 2013
58	Analytic Comparison Of Fuzzy Logic Controller, Neural Network And Fuzzy-Neural Controller In Maximum Power Point Tracking A Solar Array	Meisam Rajabi & Mohammad Bagher Menhaj	February 2013
59	A new method to analyze the observability of a class of Fuzzy systems	Navid Dini & Mohammad Bagher Menhaj	February 2013
60	Combination Of Dynamic Self Organizing Map And Reinforcement Learning For Multi-fingered Robot Hand Control	Adeleh Arabzadeh Jafari & Mohammad Bagher Menhaj	September 2012
61	Constrained Distributed Estimation Based On Consensus Learning In Unknown Environment Via Mobile Robots	Zeinab Rezaei Yousefi & Mohammad Bagher Menhaj	July 2012
62	A new approach to control blood glucose in diabetes type 1 using Nero-Fuzzy techniques and implementing laboratory sample	Keivan Bakhsh Kelarestagh & Mohammad Bagher Menhaj	February 2012
63	Controllability Analysis of a Class of Fuzzy Systems	Seyedmehran Dibaji & Mohammad Bagher Menhaj	February 2012
64	Distributed Receding horizon coverage control by multiple mobile robots in unknown environment	Fateme Mohseni & Mohammad Bagher Menhaj	February 2012
65	Fault detection for hybrid systems by intelligent computation techniques	Hamed Ghazavi Khorasgani & Mohammad Bagher Menhaj	February 2012
66	Extending Model Predictive Control Approaches On a Class of Hybtid	Shahram Behmardi Kalantari & Mohammad Bagher Menhaj	January 2012

67	Distributed Model Predictive Control for Coordinated Control of Multiple Mobile Robots	Adeleh Mohammadi & Mohammad Bagher Menhaj	December 2011
68	Control of mixed logic and dynamic (MLD) systems using intelligent optimization techniques	Abraham Sabzekar & Mohammad Bagher Menhaj	July 2011
69	agents coordination in small size soccer robots team using fuzzy reinforcement learning	Valiollah Monajjemi & Mohammad Bagher Menhaj	June 2011
70	Control of Polymer Electrolyte Membrane Fuel Cell at Optimal Operating Condition	Hamed Dashtaki & Mohammad Bagher Menhaj	February 2011
71	Safety Integrity Level Assessment In Presence Of Parameter Uncertainty In large Scale Industrial Systems	Somayeh Dolatkhan Takloo & Mohammad Bagher Menhaj	February 2011
72	Analysis of supervisory hybrid systems using petri nets	Mohsen Vatani & Mohammad Bagher Menhaj	February 2011
73	brush modeling and design for digital interactive painting on lcd realistic	Mohsen Dorraki & Mohammad Bagher Menhaj	February 2011
74	adaptive switching controller design and simulation for guided missiles and comparison with classical controller	Mahdi Okhovvat & Mohammad Bagher Menhaj	January 2011
75	coverage control for the network of mobile agents with non - linear dynamics	Alireza Dirafzoon & Mohammad Bagher Menhaj	July 2010
76	Identification and Adaptive Control of Nonlinear Dynamic Systems Using Wavelet Based Differential Neural Networks	Fateme Jahangeryhosseinabady & Mohammad Bagher Menhaj	July 2010
77	Design and manufacturing virtual brush for digital painting	Kaveh Kavianpour & Mohammad Bagher Menhaj	April 2010
78	modeling and forecasting the amount of natural gas consumption (residential and home) in Iran with hybrid method	Mehdi Forouzanfar & Mohammad Bagher Menhaj	July 2009
79	Strategic formation control of soccer players in simulation Environment as multi-agent system	Seyedmohammadamin Salehizadeh & Mohammad Bagher Menhaj	July 2009
80	The development of type-2 fuzzy controllers and its application on tracking problem of wheeled mobile robots	Omid Bazaz & Mohammad Bagher Menhaj	July 2009
81	Improvement of Direct Torque Control System for Permanent Magnet Linear Synchronous Motor via Variable Structure Mode Control for position Servo Drive	Mohammad Abroshan & Mohammad Bagher Menhaj	July 2009
82	An introduction to the fractional neural networks and its comparison with simple neural network in a special system	Arefeh Boroomand & Mohammad Bagher Menhaj	January 2009
83	IDENTIFICATION & STATE ESTIMATION OF DYNAMIC NONLINEAR SYSTEMS USING DIFFERENTIAL NEURAL NETWORK	Farid Sharifi & Mohammad Bagher Menhaj	March 2008
84	ONLINE IDENTIFICATION AND CONTROL OF NONLINEAR NON-AFFINE STATE SPACE SYSTEMS USING EM ALGORITHM AND PARTICLE FILTERING	Ali Akbar Gorji Daronkolaei & Mohammad Bagher Menhaj	February 2008
85	MULTIPLE TARGET TRACKING IN THE PRESENCE OF CHAFF CLUTTER	Rooholah Momen & Mohammad Bagher Menhaj	September 2007
86	WAVELET NETWORK AND ITS APPLICATION ON PREDICTION PROBLEMS	Amir Bani Amerian & Mohammad Bagher Menhaj	September 2007
87	STABILIZING THE BALL AND PLATE SYSTEM WITH THE AID OF INTELLIGENT CONTROL, DESIGN AND MANUFACTURING	Nima Mohajerin & Mohammad Bagher Menhaj	September 2007

88	CONTROL OF SINGLE-LINK FLEXIBLE ARM USING SELF-FEEDBACK NEURAL NETWORK STRUCTURES	Mahmood Amiri & Mohammad Bagher Menhaj	March 2007
89	IDENTIFICATION OF DYNAMIC PARAMETERS OF YAZD SYNCHRONOUS GENERATORS USING A NEW ALGORITHM FROM FIELD MEASUREMENTS	Esmail Ghahremani & Mohammad Bagher Menhaj	February 2007
90	FUZZY DECISION SUPPORT SYSTEM (AND MANAGER BEHAVIOR MODELING) FOR CRISIS MANAGEMENT	Hoda Nokhbeholfoghahae & Mohammad Bagher Menhaj	January 2007
91	NEURAL ARCHITECTUR WITH BAYESIAN LEARNING: AN APPLICATION TO PREDICATION PROBLEMS	Nariman Mahdavi Mazdeh & Mohammad Bagher Menhaj	January 2007
92	EVALUATION OF THE APPLICATION OF FUZZY COMPUTATIONAL BASED TECHNIQUES FOR INVERSE KINEMATICS PROBLEM OF MANIPULATORS WIT	Navid Dehdashti Akhavan & Mohammad Bagher Menhaj	July 2006
93	Analysis of bayesien learning methods for neural networks	Hamid Sahebkhherad & Mohammad Bagher Menhaj	April 2006

Books

#	Title	Author(s)	Publisher country	publication date	version
Portal Records					
1	Adaptive control systems	Mohammad Bagher Menhaj	Iran (Islamic Republic of)	September 2016	1
2	Advances in flight control systems -Chapter 13 comparison of flight control system design methods in landing 261	Hossein Safati, Mehdi Sabzeh Parvar, Mohammad Bagher Menhaj	Croatia (Hrvatska)	March 2011	1
3	BASIC CONTROL SYSTEMS	Mehrdad Abedi, Mohammad Bagher Menhaj, Hassan Rastegar, Hamed Alaghemand	Iran (Islamic Republic of)	March 2002	2
4	BASIC CONTROL SYSTEMS	Mehrdad Abedi, Mohammad Bagher Menhaj, Hassan Rastegar, Hamed Alaghemand	Iran (Islamic Republic of)	March 1996	1
5	Fuzzy Control	Mohammad Bagher Menhaj, Yaser Shokri Kalandaragh	Iran (Islamic Republic of)	February 2016	1

Journal Papers

Portal Records

- Behzad Farzanegan, Amirabolfazl Suratgar, Mohammad Bagher Menhaj, Mohsen Zamani, "Distributed optimal control for continuous-time nonaffine nonlinear interconnected systems", INTERNATIONAL JOURNAL OF CONTROL, September 2021 Vol. 1, Num. 1, Page 1-16, September 2021,

- 2 Ali Mehrjouyan, Mohammad Bagher Menhaj, Mohammadazam Khosravi, "Robust observer-based adaptive synchronization control of uncertain nonlinear bilateral teleoperation systems under time-varying delay", MEASUREMENT, May 2021 Vol. 182, Num. 109542, Page 1-12, May 2021,
- 3 Nahid Banafian, Rasul Fesharakifard, Mohammad Bagher Menhaj, "Precise seam tracking in robotic welding by an improved image processing approach", INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, March 2021 Vol. 113, Num. 0, Page 1-20, March 2021,
- 4 Jafar Tavousi, Amirabolfazl Suratgar, Mohammad Bagher Menhaj, Amir Mosavi, Ardashir Mohammadzadeh, Ehsan Ranjbar, "Modeling Renewable Energy Systems by a Self-Evolving Nonlinear Consequent Part Recurrent Type-2 Fuzzy System for Power Prediction", Sustainability, March 2021 Vol. 6, Num. 13, Page 3301-3322, March 2021,
- 5 Ehsan Ranjbar, Amirabolfazl Suratgar, Mohammad Bagher Menhaj, Mukesh Prasad, "Design of a Fuzzy Adaptive Sliding Mode Control System for MEMS Tunable Capacitors in Voltage Reference Applications", IEEE TRANSACTIONS ON FUZZY SYSTEMS, March 2021 Vol. 1, Num. 1, Page 1-16, March 2021,
- 6 Hoda N Foghahaayee, Mohammad Bagher Menhaj, Heidar Ali Talebi, "A new synthetic output tracking scheme for non-minimum phase affine nonlinear systems", JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, December 2020 Vol. 357, Num. 18, Page 13326-13361, December 2020,
- 7 Fatemeh Kamali, Amirabolfazl Suratgar, Mohammad Bagher Menhaj, Reza Abbasi Asl, "Receptive Field Encoding Model for Dynamic Natural Vision", , December 2019 Vol. 1, Num. 4, Page 1-7, December 2019,
- 8 Amir Adibzadeh, Mohsen Zamani, Amirabolfazl Suratgar, Mohammad Bagher Menhaj, "CONSTRAINED OPTIMAL CONSENSUS IN DYNAMICAL NETWORKS", NUMERICAL ALGEBRA CONTROL AND OPTIMIZATION, September 2019 Vol. 9, Num. 3, Page 349-360, September 2019,
- 9 Ehsan Esmailian, Hassan Gholami, Harald Nils Rstvik, Mohammad Bagher Menhaj, "A novel method for optimal performance of ships by simultaneous optimisation of hull-propulsion-BIPV systems", ENERGY CONVERSION AND MANAGEMENT, August 2019 Vol. 197, Num. 0, Page 1-17, August 2019,
- 10 Hajar Atrianfar, Meisam Kabiri, Mohammad Bagher Menhaj, "3D Trajectory Tracking Control for a Thrust-Propelled Vehicle with Time-varying Disturbances", INTERNATIONAL JOURNAL OF CONTROL AUTOMATION AND SYSTEMS, August 2019 Vol. 17, Num. 8, Page 1978-1986, August 2019,
- 11 Maziar Ebrahimi Dehshalie, Mohammad Bagher Menhaj, Mehdi Karrari, "Optimal Control Algorithm Design for the Microfluidic Channel Network Droplet Generation with Output Feedback Delay", Modares Mechanical Engineering, July 2019 Vol. 19, Num. 7, Page 1585-1590, July 2019,
- 12 Amir Adibzadeh, Amirabolfazl Suratgar, Mohammad Bagher Menhaj, Mohsen Zamani, "Distributed Optimization in Heterogeneous Dynamical Networks", IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF ELECTRICAL ENGINEERING, July 2019 Vol. 1, Num. 1, Page 0-0, July 2019,
- 13 Behzad Farzanegan, Ehsan Esmailian, Mohammad Bagher Menhaj, "A data-driven method for optimal control of ship motions for safe crew transfer to offshore wind turbines", APPLIED OCEAN RESEARCH, June 2019 Vol. 90, Num. 0, Page 1-9, June 2019,
- 14 Davood Allahverdy, Ahmad Fakharian, Mohammad Bagher Menhaj, "Back-Stepping Integral Sliding Mode Control with Iterative Learning Control Algorithm for Quadrotor UAVs", JOURNAL OF ELECTRICAL ENGINEERING & TECHNOLOGY, May 2019 Vol. 14, Num. 6, Page 2539-2547, May 2019,
- 15 Mohadeseh Ghayekhlou, Rasool Azimi, Mahmoud Ghofrani, Mohammad Bagher Menhaj, Ehsan Shekari, "A combination approach based on a novel data clustering method and Bayesian recurrent neural network for day-ahead price forecasting of electricity markets", ELECTRIC POWER SYSTEMS RESEARCH, February 2019 Vol. 168, Num. 0, Page 184-199, February 2019,
- 16 Hamid Azizzadeh, Mohammad Bagher Menhaj, Heidar Ali Talebi, "Model-based force/position control of cooperative manipulation systems", AUTOMATIKA, January 2019 Vol. 60, Num. 1, Page 113-123, January 2019,
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- 19 Ali Ghasemi, Javad Askari, Mohammad Bagher Menhaj, "Distributed Fault Tolerant Control for Multi-agent Systems with Complex-weighted Directed Communication Topology subject to Actuator Faults", INTERNATIONAL JOURNAL OF CONTROL AUTOMATION AND SYSTEMS, September 2018 Vol. 17, Num. 2, Page 415-424, September 2018,
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- 21 H.A.Y, S.Hossein Hosseinian, Mohammad Bagher Menhaj, H.S, "Analysis of the Effects of High-Voltage Transmission Line on Human Stress and Attention Through Electroencephalography (EEG)", IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY-TRANSACTIONS OF ELECTRICAL ENGINEERING, September 2018 Vol. ?, Num. 0, Page 1-8, September 2018,
- 22 Ali Ghasemi, Javad Askari, Mohammad Bagher Menhaj, "Distributed Fault Detection and Isolation of Actuator Faults in Multi-agent Systems with Complex-Weights Directed Communication Topology", Journal of control automation and electrical systems, August 2018 Vol. 29, Num. 6, Page 692-702, August 2018,
- 23 H.Aliyari, S.Hossein Hosseinian, H.Sahraei, Mohammad Bagher Menhaj, "Effect of proximity to high-voltage fields: results of the neural network model and experimental model with macaques", INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, July 2018 Vol. 0, Num. 0, Page 1-12, July 2018,
- 24 Seyed Reza Mousavi Firdeh, Mehdi Karrari, Mohammad Bagher Menhaj, "Fast Variable-Structure Multiple-Model Estimation Using Modified Likely-Model Set Tracker", IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, July 2018 Vol. 0, Num. 0, Page 1-12, July 2018,
- 25 Tohid Sardarmehni, Arya Aghili Ashtiani, Mohammad Bagher Menhaj, "Fuzzy model predictive control of normalized air-to-fuel ratio in internal combustion engines", SOFT COMPUTING, June 2018 Vol. 23, Num. 15, Page 6169-6182, June 2018,
- 26 Maziar Ebrahimi Dehshalie, Mohammad Bagher Menhaj, Ali Ghasemi, Mehdi Karrari, "Finite-time distributed global optimal control for linear time-varying multi-agent systems: a dynamic output-feedback perspective", IET CONTROL THEORY AND APPLICATIONS, June 2018 Vol. 12, Num. 9, Page 1267-1275, June 2018,
- 27 Mohammad Hadi Rezaei Estakhroieih, Meisam Kabiri, Mohammad Bagher Menhaj, "Adaptive consensus for high-order unknown nonlinear multi-agent systems with unknown control directions and switching topologies", INFORMATION SCIENCES, April 2018 Vol. 0, Num. 0, Page 0-0, April 2018,
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- 30 Fahemeh Jahangiri Hosein Abadi, Heidar Ali Talebi, Mohammad Bagher Menhaj, "Minimum phase output determination for a desired relative degree: a constructive approach", International Journal of Dynamics and Control, January 2018 Vol. 6, Num. 4, Page 1592-1598, January 2018,
- 31 Mohammad Hadi Rezaei Estakhroieih, Mohammad Bagher Menhaj, "Stationary average consensus protocol for a class of heterogeneous high-order multi-agent systems with application for aircraft", INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE, December 2017 Vol. 0, Num. 0, Page 0-0, December 2017,
- 32 Mohammadali Dehghani Mazyak, Mohammad Bagher Menhaj, Meysam Azimi, "Airborne Seeker Application in Three Dimensional Formation Flight of UAVs", AUT Journal of Electrical Engineering, October 2017 Vol. 50, Num. 1, Page 51-58, October 2017,
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- 34 Ehsan Esmailian, Behzad Farzanegan, Hamid Malekizadeh, Hassan Ghassemi, Manouchehr Fadavie, Mohammad Bagher Menhaj, "Control System Design for a Surface Effect Ship by Linear-Quadratic Regulator Method", Journal of Marine Engineering, August 2017 Vol. 13, Num. 25, Page 47-56, August 2017,

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- 36 Farhad Abedini, Mohammad Bagher Menhaj, Mohammad Reza Keyvanpour, "An MLP-based representation of neural tensor networks for the RDF data models", *NEURAL COMPUTING & APPLICATIONS*, June 2017 Vol. 0, Num. 0, Page 0-0, June 2017,
- 37 Mazhar Ansari Ardeh, Mohammad Bagher Menhaj, Ehsan Esmailian, Hessam Zandhessami, "EXPLICA: An Explorative Imperialist Competitive Algorithm based on the notion of Explorers with an expansive retention policy", *APPLIED SOFT COMPUTING*, May 2017 Vol. 54, Num. 0, Page 74-92, May 2017,
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- 39 Mohadese Ghayekhloo, Mohammad Bagher Menhaj, "Combination of Transformed-means Clustering and Neural Networks for Short-Term Solar Radiation Forecasting", *AUT Journal of Electrical Engineering*, April 2017 Vol. 49, Num. 2, Page 187-194, April 2017,
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