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h-index (Scopus):

11

Citations (Scopus):

553

Supervised MSc Theses

#	Thesis title	By	Date
1	Design, Modelling and Model Predictive Control of 3-DOF Deployable Suspended Parallel Cable-Driven Robot	Shiva Khoshkam & Mohammadazam Khosravi	September 2021
2	Dependable control systems considering time delay based on IOT	Shahab Ataei Kachooei & Mohammadazam Khosravi	January 2021
3	Control of fully-constrained cable driven parallel robots based on SDRE	Hanie Marufkhani & Mohammadazam Khosravi	October 2020
4	Dynamic modeling and control of soft planar manipulator	Milad Azizkhani & Mohammadazam Khosravi	September 2020
5	Robust control of cable-driven parallel robot in cable length coordinates With Positive Tensions	Adel Ameri & Mohammadazam Khosravi	June 2020
6	Optimal Design and Implementation of Master-Slave Mechanism for Intravitreal Injection	Mohammad Taefiaghmiuoni & Mohammadazam Khosravi	February 2020
7	Design, dynamic analysis and fabrication of 4 DOF parallel robot (3T1R)	Mohammad Malekpour & Mohammadazam Khosravi	February 2020
8	Adaptive network topology to limit cyber attack propagation in network control systems	Maryam Zarisfi & Mohammadazam Khosravi	February 2020
9	Analysis, design and manufacturing of a parallel robot for object manipulation	Masoud Chatavi & Mohammadazam Khosravi	October 2019
10	Real-Time Trajectory Planning for Autonomous Vehicles in Outdoor Dynamic Environments	Mohammad Dehghanitezerjani & Mohammadazam Khosravi	July 2019

11	Fault tolerant braking control with integrated EMBS and regenerative in wheel motors	Sara Biglari & Mohammadazam Khosravi	May 2019
12	Event-Triggered Fault Tolerant Control of Teleoperation System	Sayeh Rezaee & Mohammadazam Khosravi	March 2019
13	Event triggered control in presence of uncertainties in communication networks in teleoperation systems	Farnaz Ashrafi & Mohammadazam Khosravi	March 2019
14	Analysis, design and implementation in visual servoing of robotic platform for intra-ocular injection	Haleh Hayati & Mohammadazam Khosravi	February 2019
15	Control of A Flexible Needle in Soft Tissue Considering Turbulences Caused by the Interaction of Tissue and Needles	Karim Davari Benam & Mohammadazam Khosravi	January 2019
16	Glaucoma detection based on image data and biological parameters	Maede Nasri & Mohammadazam Khosravi	October 2018
17	Adaptive control of fully-constrained cable robots considering elasticity in cables : Integral manifold approach	Amin Nazari & Mohammadazam Khosravi	July 2018
18	Vision-Based Collision Avoidance for Frontal Dynamic Obstacles with Quadrotor in Outdoor Environments	Saeed Bakhshi Germi & Mohammadazam Khosravi	February 2018
19	Design and hardware implementation of 1DoF exoskeleton system for upper limb rehabilitation based on Single electrical biosignal	Alireza Zolanvari & Mohammadazam Khosravi	February 2018
20	Design, Kinematics and Dynamics Analysis and Control of a robotic platform for intra-ocular injections	Behnam Varmaghani & Mohammadazam Khosravi	October 2017
21	Observer Design for Control of Suspension Part of Hybrid Maglev Train	Milad Behvandi & Mohammadazam Khosravi	July 2017
22	Title: Optimal Design of Planar Cable Robots Based on Stabilisability Criterion and Stiffness Control Using Internal Forces	Javad Bolboli & Mohammadazam Khosravi	June 2017

Books

#	Title	Author(s)	Publisher country	publication date	version
Portal Records					
1	Mechanisms and Machine Science, Vol. 104, (Chapter: Nonlinear Observer-Based Tension Distribution for Cable-Driven Parallel Robots)	Adel Ameri, Amir Molaei, Mohammadazam Khosravi	Switzerland	June 2021	0

Journal Papers

Portal Records	
1	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,
2	Tahmineh Vedadi Moghadam, S.Kamalaldin Yadavar Nikravesh, Mohammadazam Khosravi, "Adaptive constrained sliding mode control of uncertain nonlinear fractional-order input affine systems", JOURNAL OF VIBRATION AND CONTROL, October 2019 Vol. 0, Num. 0, Page 1-13, October 2019,

- 3 Tahmineh Vedadi Moghadam, S.Kamalaldin Yadavar Nikravesh, Mohammadazam Khosravi, "Constrained sliding mode control of nonlinear fractional order input affine systems", JOURNAL OF SYSTEMS ENGINEERING AND ELECTRONICS, September 2019 Vol. 30, Num. 5, Page 995-1006, September 2019,
- 4 Javad Bolboli, Mohammadazam Khosravi, Farzaneh Abdollahi, "Stiffness feasible workspace of cable-driven parallel robots with application to optimal design of a planar cable robot", ROBOTICS AND AUTONOMOUS SYSTEMS, April 2019 Vol. 114, Num. 0, Page 19-28, April 2019,
- 5 Mohammad Arbabbpour Bidgoli, Amir Golroo, Ali Ghelmani Rashid Abad, Amirabolfazl Suratgar, Mohammadazam Khosravi, "Evaluating Pavement Roughness Based on Vibration Analysis Due to Road Health Monitoring System", , April 2018 Vol. 51, Num. 6, Page 1277-1296, April 2018,
- 6 Ramin Afhami, Rasul Fesharakifard, Mohammadazam Khosravi, "Dynamic Analysis of a Quadrotor in Variable Operating Conditions", , February 2018 Vol. 18, Num. 3, Page 135-145, February 2018,
- 7 Amir Molaei, Vahid Karamzadeh, Sare Safi, Hamed Esfandiari, Javad Dargahi, Mohammadazam Khosravi, "Upcoming methods and specifications of continuous intraocular pressure monitoring systems for glaucoma", Journal of Ophthalmic & Vision Research, January 2018 Vol. 13, Num. 1, Page 66-71, January 2018,
- 8 Mohammadazam Khosravi, Hamid D. Taghirad, "Stability Analysis and Robust PID Control of Cable Driven Robots Considering Elasticity in Cables", Amirkabir International Journal of Electrical and Electronics Engineering, December 2016 Vol. 48, Num. 2, Page 113-126, December 2016,
- 9 Amir Molaei, Ebrahim Abedloo, Marc D De Smet, Sare Safi, Milad Khorshidifar, Hamid Ahmadi, Mohammadazam Khosravi, Narsis Daftarian, "Toward the art of robotic-assisted vitreoretinal surgery", Journal of Ophthalmic & Vision Research, September 2016 Vol. 12, Num. 2, Page 212-218, September 2016,
- 10 Reza Babaghasabha, Mohammadazam Khosravi, Hamid D. Taghirad, "Adaptive robust control of fully constrained cable robots: singular perturbation approach", NONLINEAR DYNAMICS, July 2016 Vol. 85, Num. 1, Page 607-620, July 2016,
- 11 Hamid D. Taghirad, Azadeh Zarif Loei, Mohammadazam Khosravi, "Cable Driven Parallel Robots: Kinematics, Dynamics and Control", , February 2015 Vol. 8, Num. 3, Page 87-117, February 2015,







Conference Papers

Portal Records

- 1 Mohammad Taefiaghmiuni, Mohammadazam Khosravi, "Robust Finite Time Control of Robot Manipulators Using Time Delay Estimation Technique ", 7th International Conference on Robotics and Mechatronics (ICRoM), November 2019
- 2 Haleh Hayati, Mohammad Taefiaghmiuni, Mohammadazam Khosravi, Heidar Ali Talebi, "Optimal Design and Dynamic Analysis of a Hybrid Manipulator for Intra-ocular Surgeries ", 7th International Conference on Robotics and Mechatronics (ICRoM), November 2019
- 3 Mohammad Malekpour, Farid Kaviany, Rasul Fesharakifard, Mohammadazam Khosravi, "Kinematic Analysis and Optimal Design of a New 3T1R Parallel Mechanism ", The 7th International Conference on Robotics and Mechatronics (ICROM 2019), November 2019
- 4 Karim Davari Benam, Heidar Ali Talebi, Mohammadazam Khosravi, "Full Order High Gain Observer Design for Image-Guided Robotic Flexible Needle Steering ", 27th Iranian Conference on Electrical Engineering (ICEE), April 2019
- 5 Karim Davari Benam, Heidar Ali Talebi, Mohammadazam Khosravi, "Two Layer Sliding Mode-Model Predictive Control Scheme for Image-guided Robotic Flexible Needle Steering ", ششمین کنفرانس بین المللی رباتیک و مکاترونیک, October 2018
- 6 Saeed Bakhshi Germi, Mohammadazam Khosravi, Rasul Fesharakifard, "Adaptive GA-based Potential Field Algorithm for Collision-free Path Planning of Mobile Robots in Dynamic Environments ", The 6th International Conference on Robotics and Mechatronics, ICROM 2018, October 2018
- 7 Behnam Varmaghani, Mohammadazam Khosravi, Amir Molaei, "Optimal Kinematic Design of a Robotic Platform for Intraocular Surgeries ", 2017 5th RSI International Conference on Robotics and Mechatronics, October 2017

- 8 Javad Bolboli, Mohammadazam Khosravi, Farzaneh Abdollahi, "Analysis of the Stiffness Feasible Workspace of the Cable-Driven Parallel Robots ", 5th RSI International Conference on Robotics and Mechatronics (ICRoM), October 2017
- 9 Ramin Afhami, Rasul Fesharakifard, Mohammadazam Khosravi, "UPDATING LQR CONTROL FOR FULL DYNAMIC OF A QUADROTOR ", The 5th International Conference on Robotics and Mechatronics - ICROM 2017, October 2017
- 10 Saeed Bakhshi Germi, Alireza Zamanian, Mojtaba Ahangar Arzati, Mohammadazam Khosravi, Rasul Fesharakifard, "Estimation of Moving Obstacle Dynamics with Mobile RGB-D Camera ", The 5th International Conference on Robotics and Mechatronics - ICROM 2017, October 2017
- 11 Amir H Hosseinpour, Mohammadazam Khosravi, Hamid Khaloozadeh, "Improving Maximum Power Point Tracking of a wind turbine using power coefficient estimation ", 2017 Iranian Conference on Electrical Engineering (ICEE), May 2017

Taught Courses

#	Course title	Description	Headlines	Date
1	Electric Circuits (I)	This course aims to introduce the basic concepts of circuit theory. As the first course in theory, special emphasis is on the analysis of electric circuits..		Fall 2021
2	Advanced Robotics	This course aims to introduce the fundamentals of mechanics and control of robotic manipulators. For this, at first the required mathematics is introduced, concepts like manipulator Kinematics and Dynamics are elaborated, and different approaches to		Fall 2021
3	Stochastic Control Systems	In stochastic processes control theory the main issue is determining the control inputs to the process in order to achieve desired goals in spite of random noises and disturbancesThis course attempts to develop a thorough understanding of the fundame		Spring 2021
4	Introduction to Robotics	This course aims to introduce the fundamentals of mechanics and control of robotic manipulators. For this, at first the required mathematics is introduced, concepts like manipulator Kinematics and Dynamics are elaborated, and different approaches to		Spring 2021
5	Advanced Robotics	This course aims to introduce the fundamentals of mechanics and control of robotic manipulators. For this, at first the required mathematics is introduced, concepts like manipulator Kinematics and Dynamics are elaborated, and different approaches to		Fall 2020
6	Electric Circuits (I)	This course aims to introduce the basic concepts of circuit theory. As the first course in theory, special emphasis is on the analysis of electric circuits..		Fall 2020