

Prof.Dr. MUSTAFA KEMAL ÖZGÖREN

Kişisel Bilgiler

E-posta: ozgoren@metu.edu.tr

Web: <https://avesis.metu.edu.tr/ozgoren>

Yönetilen Tezler

ÖZGÖREN M. K. , CONTROL OF A PLANAR CABLE-ACTUATED PARALLEL MANIPULATOR WITH REALISTIC CABLES, Yüksek Lisans, O.DÜZGÖREN(Öğrenci), 2018

ÖZGÖREN M. K. , Design and analysis of a 3-dof translational shock absorbing parallel manipulator, Yüksek Lisans, G.YILDIZ(Öğrenci), 2016

ÖZGÖREN M. K. , LEBLEBİCİOĞLU M. K. , Some optimal control problems in electric vehicles, Doktora, K.AHISKA(Öğrenci), 2016

ÖZGÖREN M. K. , 3 öteleme serbestlik derecesine sahip bir şok sönümleyici platform tasarımı ve analizi., Yüksek Lisans, G.Yıldız(Öğrenci), 2016

ÖZGÖREN M. K. , Investigation of control of human balance-recovery reactions, Doktora, N.BİLGİN(Öğrenci), 2015

ÖZGÖREN M. K. , GÜRSES S., The somatosensory and vestibular interaction in human postural control, Doktora, M.EMRE(Öğrenci), 2015

ÖZGÖREN M. K. , Biased proportional navigation guidance for impact angle control with extension to three-dimensional engagements, Doktora, K.SAVAŞ(Öğrenci), 2015

ÖZGÖREN M. K. , Optimal redundancy resolution for kinematically redundant parallel manipulators, Yüksek Lisans, S.TANSEL(Öğrenci), 2014

ÖZGÖREN M. K. , Multistage launch vehicle design with thrust profile and trajectory optimization, Doktora, E.CİVEK(Öğrenci), 2014

ÖZGÖREN M. K. , The effects of random seeker noise and target maneuver on guidance performance, Yüksek Lisans, O.ÖZGÜR(Öğrenci), 2014

ÖZGÖREN M. K. , Inertial navigation system improvement using ground station data, Doktora, D.RAUF(Öğrenci), 2012

ÖZGÖREN M. K. , Genetik algoritma kullanılarak bir uzay aracının darbesel itkiyle yörünge transfer optimizasyonu., Yüksek Lisans, A.Yılmaz(Öğrenci), 2012

ÖZGÖREN M. K. , Research on transfer alignment for increased speed and accuracy, Doktora, U.KAYASAL(Öğrenci), 2012

ÖZGÖREN M. K. , Modeling and control of autonomous underwater vehicle manipulator systems, Doktora, O.KORKMAZ(Öğrenci), 2012

KONUKSEVEN E. İ. , ÖZGÖREN M. K. , Kalman süzgeci kullanarak bir paletli araçüzzerinde çok algılayıcı kör adımı seyrüsefer., Yüksek Lisans, S.Kırımhoğlu(Öğrenci), 2012

ÖZGÖREN M. K. , Orbit transfer optimization of spacecraft with impulsive thrusts using genetic algorithm, Yüksek Lisans, A.YILMAZ(Öğrenci), 2012

ÖZGÖREN M. K. , MULTISENSOR DEAD RECKONING NAVIGATION ON A TRACKED VEHICLE USING KALMAN FILTER, Yüksek Lisans, S.KIRIMLIOĞLU(Öğrenci), 2012

ÖZGÖREN M. K. , Kinematic and force analyses of overconstrained mechanisms, Yüksek Lisans, D.ÜSTÜN(Öğrenci), 2011

ÖZGÖREN M. K. , İnsansı robotların 3 boyutlu uzayda 2 ayaklı hareketinin benzetimi., Yüksek Lisans, G.Akalın(Öğrenci), 2010

ÖZGÖREN M. K. , Modeling and control of a hyper redundant manipulator, Doktora, A.BAYRAM(Öğrenci), 2010

ÖZGÖREN M. K. , TEKİNALP O., Attitude control of multiple rigid body spacecraft with flexible hinge joints, Yüksek Lisans, B.AKBULUT(Öğrenci), 2009

ÖZGÖREN M. K. , Sliding mode control of linearly actuated nonlinear systems, Yüksek Lisans, B.DURMAZ(Öğrenci), 2009

ÖZGÖREN M. K. , Control of systems under the effect of friction, Yüksek Lisans, B.BAYKARA(Öğrenci), 2009

- ÖZGÖREN M. K. , Land vehicle navigation with GPS/INS sensor fusion using kalman filter, Yüksek Lisans, M.EMRE(Öğrenci), 2008
- ÖZGÖREN M. K. , High angle of attack maneuvering and stabilization control of aircraft, Doktora, Ö.ATEŞOĞLU(Öğrenci), 2007
- ÖZGÖREN M. K. , AÖB ve manyetometreli bir seyrüsefer sisteminin modellenmesi ve benzetimi, Yüksek Lisans, U.Kayasal(Öğrenci), 2007
- ÖZGÖREN M. K. , Uçakların yüksek hücum açısında manevra ve stabilizasyon denetimi, Doktora, Ö.Ateşoğlu(Öğrenci), 2007
- ÖZGÖREN M. K. , Seyir füzeleri üzerine seyrüsefer ve denetim çalışmaları, Doktora, V.Ekütekin(Öğrenci), 2007
- ÖZGÖREN M. K. , Modeling and simulation of a maneuvering ship, Yüksek Lisans, S.PAKKAN(Öğrenci), 2007
- ÖZGÖREN M. K. , Sualtı aracının modellenmesi ve hareket benzetimi, Yüksek Lisans, K.Küçük(Öğrenci), 2007
- ÖZGÖREN M. K. , Hedef izleyici füzelerinin dinamik modellemesi, güdüm ve denetimi, Doktora, B.Özkan(Öğrenci), 2005
- ÖZGÖREN M. K. , En iyi öngörülü bir denetim kullanılarak üç boyutlu insansı yürüyüş benzetimi, Yüksek Lisans, G.Özyurt(Öğrenci), 2005
- ÖZGÖREN M. K. , Yarı otonom bir tekerlekli sandalye için kararlılık artırımı, Yüksek Lisans, H.Müjde(Öğrenci), 2004
- ÖZGÖREN M. K. , Özgören M., Güdümlü füzeler için bulanık mantık güdüm sistemi tasarımı, Yüksek Lisans, A.Özgür(Öğrenci), 2003
- ÖZGÖREN M. K. , Robot manipülatörlerinin konum/kuvvet kontrolü, Yüksek Lisans, M.İsmet(Öğrenci), 2003
- ÖZGÖREN M. K. , Integration and error modelling of global positioning system (GPS) and inertial navigation system (INS), Yüksek Lisans, V.EKÜTEKİN(Öğrenci), 2000
- ÖZGÖREN M. K. , Design and performance of cargo type warheads, Yüksek Lisans, Ş.KORKMAZ(Öğrenci), 2000
- ÖZGÖREN M. K. , Kinematic and force analysis of parallel and hybrid manipulators, Yüksek Lisans, S.HİMMETOĞLU(Öğrenci), 2000
- ÖZGÖREN M. K. , Dynamic modeling and control of two coordinated robot manipulators, Yüksek Lisans, B.ÖZKAN(Öğrenci), 1999
- ÖZGÖREN M. K. , Non-linear flight dynamics of unguided missiles, Doktora, Ö.Tanrıkulu(Öğrenci), 1999
- ÖZGÖREN M. K. , Two new switching surface design techniques for nonlinear systems with their applications to missile control, Doktora, M.UYMAZ(Öğrenci), 1999
- ÖZGÖREN M. K. , Game theoretic pursuit-evasion strategies for a missile and its target, Doktora, O.Merttopçuoğlu(Öğrenci), 1998
- ÖZGÖREN M. K. , Analysis and control of manipulators at singular positions, Yüksek Lisans, E.BİLGE(Öğrenci), 1996
- ÖZGÖREN M. K. , Smooth optimal control of robotic manipulators for minimum time and energy, Yüksek Lisans, J.KARAMAN(Öğrenci), 1995
- ÖZGÖREN M. K. , Thrust vector and aerodynamic control of missiles, Yüksek Lisans, M.YANGEL(Öğrenci), 1995
- ÖZGÖREN M. K. , Dynamics and control of a stabilized platform, Doktora, Ö.ETKA(Öğrenci), 1994
- ÖZGÖREN M. K. , Control of a missile to follow a moving target, Yüksek Lisans, H.ERGİN(Öğrenci), 1992
- ÖZGÖREN M. K. , Motion and energy optimizations of a redundant manipulator, Yüksek Lisans, T.Ş.(Öğrenci), 1991
- ÖZGÖREN M. K. , Simulation and comparison of various control types as applied to manipulators, Yüksek Lisans, M.UYMAZ(Öğrenci), 1990
- ÖZGÖREN M. K. , Thrust vector control of a rocket vehicle associated with aerodynamic control, Yüksek Lisans, C.YALÇIN(Öğrenci), 1989
- ÖZGÖREN M. K. , The Position-force hybrid control of robotic manipulators, Yüksek Lisans, V.CEYHAN(Öğrenci), 1989
- ÖZGÖREN M. K. , Design and construction of a robotic manipulator with six revolute joints, Yüksek Lisans, İ.BAŞÇUHADAR(Öğrenci), 1989
- ÖZGÖREN M. K. , Effect of dry-friction on the position control of robot arms, Yüksek Lisans, M.FATİH(Öğrenci), 1989
- ÖZGÖREN M. K. , Effects of delays on control systems, Yüksek Lisans, M.MUNGAN(Öğrenci), 1987

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. Energy Optimality in Electric Vehicles Along Uphill-Downhill Roads

Ahiska K., ÖZGÖREN M. K. , LEBLEBİCİOĞLU M. K.

IEEE TRANSACTIONS ON INTELLIGENT VEHICLES, cilt.6, sa.3, ss.390-405, 2021 (SCI İndekslerine Giren Dergi)

- II. **Design and kinematic analysis of a novel rehabilitative robotic walking simulation device**
Kose K. C. , ÖZGÖREN M. K. , Tekce F., DÖNER N.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF ENGINEERING IN MEDICINE, cilt.235, sa.7, ss.770-779, 2021 (SCI İndekslerine Giren Dergi)
- III. **Motion Control of a Spatial Elastic Manipulator in the Presence of Measurement Noises**
KILIÇASLAN S., İDER S. K. , ÖZGÖREN M. K.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 2021 (SCI İndekslerine Giren Dergi)
- IV. **Estimation of the Balance-Keeping Control Law Applied by a Human Being Upon a Sudden Sagittal Tilt Perturbation**
BİLGİN N., ÖZGÖREN M. K.
JOURNAL OF BIOMECHANICAL ENGINEERING-TRANSACTIONS OF THE ASME, cilt.141, sa.4, 2019 (SCI İndekslerine Giren Dergi)
- V. **Kinematic and Kinetostatic Analysis of Parallel Manipulators with Emphasis on Position, Motion, and Actuation Singularities**
ÖZGÖREN M. K.
ROBOTICA, cilt.37, sa.4, ss.599-625, 2019 (SCI İndekslerine Giren Dergi)
- VI. **Comparative study of attitude control methods based on Euler angles, quaternions, angle-axis pairs and orientation matrices**
ÖZGÖREN M. K.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, cilt.41, sa.5, ss.1189-1206, 2019 (SCI İndekslerine Giren Dergi)
- VII. **Autopilot Design for Vehicle Cornering Through Icy Roads**
Ahiska K., ÖZGÖREN M. K. , LEBLEBİCİOĞLU M. K.
IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, cilt.67, sa.3, ss.1867-1880, 2018 (SCI İndekslerine Giren Dergi)
- VIII. **Performance comparison of the notable acceleration- and angle-based guidance laws for a short-range air-to-surface missile**
Ozkan B., ÖZGÖREN M. K. , Mahmutyazicioglu G.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.25, sa.5, ss.3591-3606, 2017 (SCI İndekslerine Giren Dergi)
- IX. **TRAJECTORY TRACKING CONTROL OF AN UNDERACTUATED UNDERWATER VEHICLE REDUNDANT MANIPULATOR SYSTEM**
Korkmaz O., İDER S. K. , ÖZGÖREN M. K.
ASIAN JOURNAL OF CONTROL, cilt.18, sa.5, ss.1593-1607, 2016 (SCI İndekslerine Giren Dergi)
- X. **Optimal Inverse Kinematic Solutions for Redundant Manipulators by Using Analytical Methods to Minimize Position and Velocity Measures**
ÖZGÖREN M. K.
JOURNAL OF MECHANISMS AND ROBOTICS-TRANSACTIONS OF THE ASME, cilt.5, sa.3, 2013 (SCI İndekslerine Giren Dergi)
- XI. **The position control of a spatial binary hyper redundant manipulator through its inverse kinematics**
Bayram A., ÖZGÖREN M. K.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, cilt.227, ss.359-372, 2013 (SCI İndekslerine Giren Dergi)
- XII. **Sliding mode control for non-linear systems with adaptive sliding surfaces**
Durmaz B., ÖZGÖREN M. K. , SALAMCI M. U.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, cilt.34, sa.1, ss.56-90, 2012 (SCI İndekslerine Giren Dergi)
- XIII. **The conceptual design of a spatial binary hyper redundant manipulator and its forward kinematics**
Bayram A., ÖZGÖREN M. K.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, cilt.226, ss.217-227, 2012 (SCI İndekslerine Giren Dergi)

- XIV. **Hybrid force and motion control of robots with flexible links**
KILIÇASLAN S., ÖZGÖREN M. K. , Ider S. K.
MECHANISM AND MACHINE THEORY, cilt.45, sa.1, ss.91-105, 2010 (SCI İndekslerine Giren Dergi)
- XV. **Comparison of position controllers designed for an elastic system using its complete and deficient dynamic models**
ÖZGÖREN M. K.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART I-JOURNAL OF SYSTEMS AND CONTROL ENGINEERING, cilt.224, ss.93-107, 2010 (SCI İndekslerine Giren Dergi)
- XVI. **Control and Robustness Analysis for a High-alpha Maneuverable Thrust-Vectoring Fighter Aircraft**
Atesoglu O., ÖZGÖREN M. K.
JOURNAL OF GUIDANCE CONTROL AND DYNAMICS, cilt.32, sa.5, ss.1483-1496, 2009 (SCI İndekslerine Giren Dergi)
- XVII. **An algebraic method for designing controllers for multi-input multi-output linear systems via s-domain input-output decoupling**
ÖZGÖREN M. K.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART I-JOURNAL OF SYSTEMS AND CONTROL ENGINEERING, cilt.223, ss.263-274, 2009 (SCI İndekslerine Giren Dergi)
- XVIII. **Motion control of flexible-link manipulators**
KILIÇASLAN S., Ider S. K. , ÖZGÖREN M. K.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, cilt.222, sa.12, ss.2441-2453, 2008 (SCI İndekslerine Giren Dergi)
- XIX. **Kinematic analysis of spatial mechanical systems using exponential rotation matrices**
Ozgoren M. K.
JOURNAL OF MECHANICAL DESIGN, cilt.129, sa.11, ss.1144-1152, 2007 (SCI İndekslerine Giren Dergi)
- XX. **Trajectory tracking control of robots with flexible links**
Ider S., Ozgoren M., Ay V.
MECHANISM AND MACHINE THEORY, cilt.37, sa.11, ss.1377-1394, 2002 (SCI İndekslerine Giren Dergi)
- XXI. **Topological analysis of 6-joint serial manipulators and their inverse kinematic solutions**
Ozgoren M.
MECHANISM AND MACHINE THEORY, cilt.37, sa.5, ss.511-547, 2002 (SCI İndekslerine Giren Dergi)
- XXII. **A kinematic structure-based classification and compact kinematic equations for six-dof industrial robotic manipulators**
Balkan T., Ozgoren M., Arikan M., Baykurt H.
MECHANISM AND MACHINE THEORY, cilt.36, sa.7, ss.817-832, 2001 (SCI İndekslerine Giren Dergi)
- XXIII. **Invalid joint arrangements and actuator related singular configurations of a system of two cooperating SCARA manipulators**
Ozkan B., Ozgoren M.
MECHATRONICS, cilt.11, sa.4, ss.491-507, 2001 (SCI İndekslerine Giren Dergi)
- XXIV. **Motion control of constrained systems considering their actuation-related singular configurations**
Ozgoren M.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART I-JOURNAL OF SYSTEMS AND CONTROL ENGINEERING, cilt.215, ss.113-123, 2001 (SCI İndekslerine Giren Dergi)
- XXV. **A method of inverse kinematics solution including singular and multiple configurations for a class of robotic manipulators**
Balkan T., Ozgoren M., Arikan M., Baykurt H.
MECHANISM AND MACHINE THEORY, cilt.35, sa.9, ss.1221-1237, 2000 (SCI İndekslerine Giren Dergi)
- XXVI. **Sliding mode control with optimal sliding surfaces for missile autopilot design**
Salamci M., Ozgoren M., Banks S.
JOURNAL OF GUIDANCE CONTROL AND DYNAMICS, cilt.23, sa.4, ss.719-727, 2000 (SCI İndekslerine Giren Dergi)

- XXVII. **Trajectory tracking control of flexible-joint robots**
Ider S., Ozgoren M.
COMPUTERS & STRUCTURES, cilt.76, sa.6, ss.757-763, 2000 (SCI İndekslerine Giren Dergi)
- XXVIII. **Kinematic analysis of a manipulator with its position and velocity related singular configurations**
Ozgoren M.
MECHANISM AND MACHINE THEORY, cilt.34, sa.7, ss.1075-1101, 1999 (SCI İndekslerine Giren Dergi)
- XXIX. **SOME REMARKS ON ROTATION SEQUENCES AND ASSOCIATED ANGULAR VELOCITIES**
OZGOREN M.
MECHANISM AND MACHINE THEORY, cilt.29, sa.7, ss.933-940, 1994 (SCI İndekslerine Giren Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Biased Proportional Navigation with Exponentially Decaying Error for Impact Angle Control and Path Following**
Erer K. S. , Tekin R., ÖZGÖREN M. K.
24th Mediterranean Conference on Control and Automation (MED), Athens, Yunanistan, 21 - 24 Haziran 2016, ss.238-243
- II. **A Balance Keeping Control for Humanoid Robots by Using Model Predictive Control**
Bilgin N., ÖZGÖREN M. K.
17th IEEE International Carpathian Control Conference (ICCC), Tatranska Lomnica, Slovakya, 29 Mayıs - 01 Haziran 2016, ss.60-65
- III. **Energy Optimal Controller for Electric Vehicles on Partially Icy Roads with Heuristic Skidding Compensation**
Ahiska K., ÖZGÖREN M. K. , LEBLEBİCİOĞLU M. K.
15th International Conference on Control, Automation and Systems (ICCAS), Busan, Güney Kore, 13 - 16 Ekim 2015, ss.101-106
- IV. **Control of a Planar Satellite with an Unactuated Movable Solar Panel**
Acar Y., Yavuzylmaz C., ÖZGÖREN M. K.
7th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Türkiye, 16 - 19 Haziran 2015, ss.105-110
- V. **Sliding Mode based Longitudinal Guidance of UAVs**
Shah M. Z. , ÖZGÖREN M. K. , Samar R.
United-Kingdom-Automatic-Control-Council (UKACC) 10th International Conference on Control (CONTROL), Loughborough, İngiltere, 9 - 11 Temmuz 2014, ss.121-126
- VI. **A Generalized Staging Optimization Program For Space Launch Vehicles**
Civek-Coskun E., ÖZGÖREN M. K.
6th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Türkiye, 12 - 14 Haziran 2013, ss.857-862
- VII. **Application of Beacon Navigation and Angle-Only Artillery Surveying Methods for INS Aiding on Aerial Platforms in GNSS Denied Environments**
Guner D. R. L. , ÖZGÖREN M. K. , PLATİN B. E.
ION Pacific PNT Meeting, Hawaii, Amerika Birleşik Devletleri, 23 - 25 Nisan 2013, ss.858-868
- VIII. **ATTITUDE CONTROL OF MULTIPLE RIGID BODY SPACECRAFT WITH FLEXIBLE HINGE JOINTS**
Akbulut B., ÖZGÖREN M. K. , TEKİNALP O.
20th AAS/AIAA Spaceflight Mechanics Meeting, California, Amerika Birleşik Devletleri, 14 - 18 Şubat 2010, cilt.136, ss.2477-2478
- IX. **POINTING PERFORMANCE INVESTIGATION OF A MULTIPLE RIGID BODY SPACECRAFT**
Akbulut B., ÖZGÖREN M. K. , TEKİNALP O.
AAS/AIAA 19th Space Flight Mechanics Meeting, Savannakhet, Laos, 8 - 12 Şubat 2009, cilt.134, ss.1029-1030
- X. **The Stabilization Controller Design for a Tripod Type Parallel Manipulator Used for Active**

Suspension of a Delicate Device

Atesoglu O., ÖZGÖREN M. K.

IEEE International Conference on Control Applications, San-Antonio, Kuzey Mariana Adaları, 3 - 05 Eylül 2008, ss.237-238

XI. **Control of constrained spatial three-link flexible manipulators**

KILIÇASLAN S., ÖZGÖREN M. K. , Ider S. K.

15th Mediterranean Conference on Control and Automation, Athens, Yunanistan, 27 - 29 Haziran 2007, ss.1526-1527

XII. **Removing force indeterminacy in a Hooke joint mechanism by increasing and modifying its joints without causing singularities**

Himmetoglu S., Ozgoren M.

11th World Congress in Mechanism and Machine Science, Tianjin, Çin, 1 - 04 Nisan 2004, ss.1305-1308

Atıflar

Toplam Atıf Sayısı (WOS):261

h-indeksi (WOS):10