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Advising Theses

- ÖZGÖREN M. K. , CONTROL OF A PLANAR CABLE-ACTUATED PARALLEL MANIPULATOR WITH REALISTIC CABLES, Post Graduate, O.DÜZGÖREN(Student), 2018
- LEBLEBİCİOĞLU M. K. , ÖZGÖREN M. K. , Some optimal control problems in electric vehicles, Doctorate, K.AHISKA(Student), 2016
- ÖZGÖREN M. K. , Design and analysis of a 3-dof translational shock absorbing parallel manipulator, Post Graduate, G.YILDIZ(Student), 2016
- ÖZGÖREN M. K. , Investigation of control of human balance-recovery reactions, Doctorate, N.BİLGİN(Student), 2015
- GÜRSES S., ÖZGÖREN M. K. , The somatosensory and vestibular interaction in human postural control, Doctorate, M.EMRE(Student), 2015
- ÖZGÖREN M. K. , Biased proportional navigation guidance for impact angle control with extension to three-dimensional engagements, Doctorate, K.SAVAŞ(Student), 2015
- ÖZGÖREN M. K. , Optimal redundancy resolution for kinematically redundant parallel manipulators, Post Graduate, S.TANSEL(Student), 2014
- ÖZGÖREN M. K. , Multistage launch vehicle design with thrust profile and trajectory optimization, Doctorate, E.CİVEK(Student), 2014
- ÖZGÖREN M. K. , The effects of random seeker noise and target maneuver on guidance performance, Post Graduate, O.ÖZGÜR(Student), 2014
- ÖZGÖREN M. K. , Inertial navigation system improvement using ground station data, Doctorate, D.RAUF(Student), 2012
- ÖZGÖREN M. K. , Research on transfer alignment for increased speed and accuracy, Doctorate, U.KAYASAL(Student), 2012
- ÖZGÖREN M. K. , Modeling and control of autonomous underwater vehicle manipulator systems, Doctorate, O.KORKMAZ(Student), 2012
- ÖZGÖREN M. K. , Orbit transfer optimization of spacecraft with impulsive thrusts using genetic algorithm, Post Graduate, A.YILMAZ(Student), 2012
- ÖZGÖREN M. K. , MULTISENSOR DEAD RECKONING NAVIGATION ON A TRACKED VEHICLE USING KALMAN FILTER, Post Graduate, S.KIRIMLIOĞLU(Student), 2012
- ÖZGÖREN M. K. , Kinematic and force analyses of overconstrained mechanisms, Post Graduate, D.ÜSTÜN(Student), 2011
- ÖZGÖREN M. K. , Modeling and control of a hyper redundant manipulator, Doctorate, A.BAYRAM(Student), 2010
- ÖZGÖREN M. K. , Control of systems under the effect of friction, Post Graduate, B.BAYKARA(Student), 2009
- TEKİNALP O., ÖZGÖREN M. K. , Attitude control of multiple rigid body spacecraft with flexible hinge joints, Post Graduate, B.AKBULUT(Student), 2009
- ÖZGÖREN M. K. , Sliding mode control of linearly actuated nonlinear systems, Post Graduate, B.DURMAZ(Student), 2009
- ÖZGÖREN M. K. , Land vehicle navigation with GPS/INS sensor fusion using kalman filter, Post Graduate, M.EMRE(Student), 2008
- ÖZGÖREN M. K. , High angle of attack maneuvering and stabilization control of aircraft, Doctorate, Ö.ATEŞOĞLU(Student), 2007
- ÖZGÖREN M. K. , Modeling and simulation of a maneuvering ship, Post Graduate, S.PAKKAN(Student), 2007
- ÖZGÖREN M. K. , Kinematic and force analysis of parallel and hybrid manipulators, Post Graduate, S.HİMMETOĞLU(Student), 2000
- ÖZGÖREN M. K. , Design and performance of cargo type warheads, Post Graduate, Ş.KORKMAZ(Student), 2000

ÖZGÖREN M. K. , Integration and error modelling of global positioning system (GPS) and inertial navigation system (INS), Post Graduate, V.EKÜTEKİN(Student), 2000

ÖZGÖREN M. K. , Dynamic modeling and control of two coordinated robot manipulators, Post Graduate, B.ÖZKAN(Student), 1999

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ÖZGÖREN M. K. , Smooth optimal control of robotic manipulators for minimum time and energy, Post Graduate, J.KARAMAN(Student), 1995

ÖZGÖREN M. K. , Dynamics and control of a stabilized platform, Doctorate, Ö.ETKA(Student), 1994

ÖZGÖREN M. K. , Control of a missile to follow a moving target, Post Graduate, H.ERGİN(Student), 1992

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ÖZGÖREN M. K. , Simulation and comparison of various control types as applied to manipulators, Post Graduate, M.UYMAZ(Student), 1990

ÖZGÖREN M. K. , Design and construction of a robotic manipulator with six revolute joints, Post Graduate, İ.BAŞÇUHADAR(Student), 1989

ÖZGÖREN M. K. , Effect of dry-friction on the position control of robot arms, Post Graduate, M.FATİH(Student), 1989

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ÖZGÖREN M. K. , The Position-force hybrid control of robotic manipulators, Post Graduate, V.CEYHAN(Student), 1989

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- **Estimation of the Balance-Keeping Control Law Applied by a Human Being Upon a Sudden Sagittal Tilt Perturbation**
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- **Kinematic and Kinetostatic Analysis of Parallel Manipulators with Emphasis on Position, Motion, and Actuation Singularities**
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- **Autopilot Design for Vehicle Cornering Through Icy Roads**
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- **TRAJECTORY TRACKING CONTROL OF AN UNDERACTUATED UNDERWATER VEHICLE REDUNDANT MANIPULATOR SYSTEM**
Korkmaz O., İDER S. K. , ÖZGÖREN M. K.

- ASIAN JOURNAL OF CONTROL, vol.18, pp.1593-1607, 2016 (Journal Indexed in SCI)
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 KILIÇASLAN S., ÖZGÖREN M. K. , Ider S. K.
- MECHANISM AND MACHINE THEORY, vol.45, pp.91-105, 2010 (Journal Indexed in SCI)
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A kinematic structure-based classification and compact kinematic equations for six-dof industrial robotic manipulators
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● **Motion control of constrained systems considering their actuation-related singular configurations**

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● **Trajectory tracking control of flexible-joint robots**

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● **Kinematic analysis of a manipulator with its position and velocity related singular configurations**

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● **SOME REMARKS ON ROTATION SEQUENCES AND ASSOCIATED ANGULAR VELOCITIES**

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● **Biased Proportional Navigation with Exponentially Decaying Error for Impact Angle Control and Path Following**

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● **A Balance Keeping Control for Humanoid Robots by Using Model Predictive Control**

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● **Energy Optimal Controller for Electric Vehicles on Partially Icy Roads with Heuristic Skidding Compensation**

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● **Control of a Planar Satellite with an Unactuated Movable Solar Panel**

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● **Sliding Mode based Longitudinal Guidance of UAVs**

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- **ATTITUDE CONTROL OF MULTIPLE RIGID BODY SPACECRAFT WITH FLEXIBLE HINGE JOINTS**
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Citations

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