

Prof. MEHMET KEMAL LEBLEBİCİOĞLU

Personal Information

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Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Matematik (Dr), Turkey
1982 - 1988

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Matematik (Dr),
Turkey 1980 - 1982

Undergraduate, Middle East Technical University, Faculty Of Engineering, Elektrik-Elektronik Mühendisliği Bölümü,
Turkey 1974 - 1979

Foreign Languages

English, C1 Advanced

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty Of Engineering, Department Of Electrical And Electronics
Engineering, 1999 - Continues

Associate Professor, Middle East Technical University, Faculty Of Engineering, Department Of Electrical And Electronics
Engineering, 1993 - 1999

Assistant Professor, Middle East Technical University, Faculty Of Engineering, Department Of Electrical And Electronics
Engineering, 1988 - 1993

Advising Theses

LEBLEBİCİOĞLU M. K. , Mathematical model and autopilot design of a twin engine jet plane, Postgraduate,
H.Cansu(Student), 2020

LEBLEBİCİOĞLU M. K. , Docking Problems Of Sea Surface Vehicles, Postgraduate, İ.ÇAĞDAŞ(Student), 2019

LEBLEBİCİOĞLU M. K. , Design of kalman filter based attitude determination and control algorithms for a LEO satellite,
Postgraduate, G.Efendioğlu(Student), 2019

LEBLEBİCİOĞLU M. K. , Power stabilization of diode pumped solid state lasers by means of adaptive control of drive
current, Postgraduate, T.Şentürk(Student), 2019

LEBLEBİCİOĞLU M. K. , Dynamic modelling and control of a gimbaled airborne antenna platform with mass unbalance

and friction, Postgraduate, T.KOBAL(Student), 2018

LEBLEBİCİOĞLU M. K. , Detailed modeling and control of a 2-DOF gimbal system, Postgraduate, E.POYRAZOĞLU(Student), 2017

LEBLEBİCİOĞLU M. K. , Navigation and system identification of an unmanned underwater survey vehicle, Doctorate, S.KARADENİZ(Student), 2017

LEBLEBİCİOĞLU M. K. , Time series on Riemannian manifolds, Doctorate, H.ERGEZER(Student), 2017

LEBLEBİCİOĞLU M. K. , Multi shooter localization with acoustic sensors, Postgraduate, Ç.AKMAN(Student), 2017

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

LEBLEBİCİOĞLU M. K. , YAVRUCUK İ., Control and guidance of a multi-mode unmanned aerial vehicle for increased versatility, Doctorate, F.ÇAKICI(Student), 2016

LEBLEBİCİOĞLU M. K. , Underwater gliders: Modeling, control and simulation studies, Postgraduate, S.GÖREN(Student), 2016

LEBLEBİCİOĞLU M. K. , LQG/LTR, H-infinity and Mu robust controllers design for line of sight stabilization, Postgraduate, M.BASKIN(Student), 2015

LEBLEBİCİOĞLU M. K. , Robust flight and landing autopilot /, Postgraduate, O.DURMAZ(Student), 2015

LEBLEBİCİOĞLU M. K. , System identification and control of a sea surface vehicle, Postgraduate, İ.KAĞAN(Student), 2015

LEBLEBİCİOĞLU M. K. , Wing in ground effect vehicle: Modelling and control, Postgraduate, A.GHAFOOR(Student), 2015

LEBLEBİCİOĞLU M. K. , Stabilization of an image based tracking system, Postgraduate, İ.ECE(Student), 2015

LEBLEBİCİOĞLU M. K. , Seabed mapping using multibeam sonar and combining with former bathymetric data, Postgraduate, F.FURKAN(Student), 2015

LEBLEBİCİOĞLU M. K. , Navigation and control of an unmanned sea surface vehicle, Postgraduate, M.KUMRU(Student), 2015

LEBLEBİCİOĞLU M. K. , Design and control of X5 unmanned aerial robot, Postgraduate, M.EBADOLLAHİ(Student), 2015

LEBLEBİCİOĞLU M. K. , Identification of inertial sensor error parameters, Postgraduate, B.ALTINÖZ(Student), 2015

LEBLEBİCİOĞLU M. K. , Design, control, and guidance of a tactical missile with lateral thrusters, Postgraduate, F.KAĞAN(Student), 2015

LEBLEBİCİOĞLU M. K. , Autopilot design for a quadrotor /, Postgraduate, M.SAMİ(Student), 2014

LEBLEBİCİOĞLU M. K. , Landing autopilot design for an unmanned aerial vehicle /, Postgraduate, A.İLDEN(Student), 2014

LEBLEBİCİOĞLU M. K. , System identification and modeling of gyro-stabilized IR/EO gimbal system in frequency domain /, Postgraduate, G.ÖZDOĞAN(Student), 2014

LEBLEBİCİOĞLU M. K. , Acoustic tracking of ship wakes, Doctorate, Ç.ÖNÜR(Student), 2013

LEBLEBİCİOĞLU M. K. , A surface-to-air missile equipped with a tracking based ECCM techniques, Postgraduate, R.YURTTAŞ(Student), 2013

LEBLEBİCİOĞLU M. K. , A Surface-to-air missile equipped with a tracking based ECCM techniques, Postgraduate, R.Yurttaş(Student), 2013

LEBLEBİCİOĞLU M. K. , Sliding mode guidance of an air-to-air missile, Postgraduate, M.ULU(Student), 2013

LEBLEBİCİOĞLU M. K. , A variable structure-autonomous-interacting multiple model ground target tracking algorithm in dense clutter, Doctorate, G.ALAT(Student), 2013

LEBLEBİCİOĞLU M. K. , SARANLI A., Optimal control of a half circular compliant legged monopod, Doctorate, Y.ÖZKAN(Student), 2013

LEBLEBİCİOĞLU M. K. , Path planning and coordinated guidance of multiple unmanned aerial vehicles, Doctorate, H.ERGEZER(Student), 2013

LEBLEBİCİOĞLU M. K. , Control and guidance of an unmanned sea surface vehicle, Postgraduate, K.Ahıska(Student), 2012

LEBLEBİCİOĞLU M. K. , Navigation and path planning of an unmanned underwater vehicle, Postgraduate, U.Doğan(Student), 2012

LEBLEBİCİOĞLU M. K. , Opti-acoustic stereo imaging, Postgraduate, H.SAÇ(Student), 2012

LEBLEBİCİOĞLU M. K. , SCHMİDT Ş. E. , QoC and QoS bargaining for message scheduling in networked control systems, Doctorate, S.ŞENOL(Student), 2012

LEBLEBİCİOĞLU M. K. , Autopilot and guidance design for a Mini ROV (Remotely Operated Underwater Vehicle, Postgraduate, F.Yılmaz(Student), 2012

LEBLEBİCİOĞLU M. K. , Development of an autopilot for automatic landing of an unmanned aerial vehicle, Postgraduate, S.ARIBAL(Student), 2011

LEBLEBİCİOĞLU M. K. , Leblebicioğlu M., Design, modeling, guidance and control of a vertical launch surface to air missile, Postgraduate, R.Tekin(Student), 2010

LEBLEBİCİOĞLU M. K. , Decision making system algorithm on menopause data set, Postgraduate, H.ÖZGE(Student), 2010

LEBLEBİCİOĞLU M. K. , Modelling and simulation of a wheeled land vehicle, Postgraduate, A.LAFICI(Student), 2010

LEBLEBİCİOĞLU M. K. , Multiple hypothesis tracking for multiple visual targets, Postgraduate, B.Türker(Student), 2010

LEBLEBİCİOĞLU M. K. , Angular acceleration assisted stabilization of a-2 DOF gimbal platform, Postgraduate, T.ÖZTÜRK(Student), 2010

LEBLEBİCİOĞLU M. K. , Light flicker evaluation of electric arc furnaces based on novel signal processing algorithms, Postgraduate, N.KÖSE(Student), 2009

LEBLEBİCİOĞLU M. K. , Modelling And Controller Design Of The Gun And Turret System For An Aircraft, Postgraduate, A.MERT(Student), 2009

LEBLEBİCİOĞLU M. K. , Efficient solution of optimization problems with constraints and/or cost functions expensive to evaluate, Postgraduate, A.GÖKHAN(Student), 2009

LEBLEBİCİOĞLU M. K. , Image segmentation based on variational techniques, Postgraduate, M.BURAK(Student), 2009

LEBLEBİCİOĞLU M. K. , Modeling, stability analysis and control system design of a small-sized tiltrotor uav, Postgraduate, F.Çakıcı(Student), 2009

LEBLEBİCİOĞLU M. K. , Image segmentation and smoothing via partial differential equations, Postgraduate, N.ÖZMEN(Student), 2009

LEBLEBİCİOĞLU M. K. , Design and improvement of multi-level decision-making models, Doctorate, U.BELDEK(Student), 2009

LEBLEBİCİOĞLU M. K. , Decentralized estimation under communication constraints, Doctorate, M.ÜNEY(Student), 2009

LEBLEBİCİOĞLU M. K. , Autopilot and guidance for anti-tank imaging infrared guided missiles, Postgraduate, A.ERDEM(Student), 2008

LEBLEBİCİOĞLU M. K. , Multiple target tracking using multiple cameras, Postgraduate, M.Yılmaz(Student), 2008

LEBLEBİCİOĞLU M. K. , Towards the enhancement of biped locomotion and control techniques, Doctorate, B.YÜKSEL(Student), 2008

LEBLEBİCİOĞLU M. K. , Dynamic weapon-target assignment problem, Postgraduate, E.Günsel(Student), 2008

LEBLEBİCİOĞLU M. K. , Intelligent search and algorithms for optimal assignment of air force resources in operations, Postgraduate, E.Rızvanoğlu(Student), 2008

LEBLEBİCİOĞLU M. K. , A rule based missile evasion method for fighter aircrafts, Postgraduate, M.Sert(Student), 2008

ERTAN H. B. , LEBLEBİCİOĞLU M. K. , A control algorithm to minimize torque ripple and acoustic noise of switched reluctance motors, Doctorate, E.BİZKEVELCİ(Student), 2008

LEBLEBİCİOĞLU M. K. , ÇOK NAMLULU ROKETATAR BİRLİKLERİNİN İLAVE MÜHİMMAT DEPO YERLERİNİN TESPİTİ İÇİN BİR METOT, Postgraduate, H.ÇAĞRICI(Student), 2007

LEBLEBİCİOĞLU M. K. , Araç Rotalama Problemlerinin Çözümüne Bir Yaklaşım, Postgraduate, E.ELDELEKLİ(Student), 2007

LEBLEBİCİOĞLU M. K. , Varying mass missile dynamics, guidance and control, Postgraduate, Y.GÜNBATAR(Student), 2007

LEBLEBİCİOĞLU M. K. , DURAL ÜNVER M. G. , A novel neural network based approach for direction of arrival estimation, Doctorate, S.ÇAYLAR(Student), 2007

LEBLEBİCİOĞLU M. K. , Varying mass missile dynamics, guidance & control, Postgraduate, Y.Günbatar(Student), 2007

LEBLEBİCİOĞLU M. K. , 3D synthetic human face modelling tool based on T-spline surfaces, Postgraduate, A.AYDOĞAN(Student), 2007

LEBLEBİCİOĞLU M. K. , Development and comparison of autopilot and guidance algorithms for missiles, Postgraduate, Ç.EVCİMEN(Student), 2007

LEBLEBİCİOĞLU M. K. , Autopilot design and guidance control of ulisar uuv (unmanned underwater vehicle), Postgraduate, K.Isiyel(Student), 2007

LEBLEBİCİOĞLU M. K. , Visual detection and tracking of moving objects, Postgraduate, H.ERGEZER(Student), 2007

LEBLEBİCİOĞLU M. K. , Image segmentation based on variational techniques, Postgraduate, A.DURAMAZ(Student), 2006

LEBLEBİCİOĞLU M. K. , Autopilot and guidance algorithms for infrared guided missiles, Postgraduate, K.ÇAĞLAR(Student), 2006

LEBLEBİCİOĞLU M. K. , Six-legged walking machine: The robot-EA308, Doctorate, M.SUPHİ(Student), 2006

LEBLEBİCİOĞLU M. K. , Harekât alanında muharip jet uçaklarının hava görev emrinin modellenmesi, Postgraduate, T.GÜRDAL(Student), 2005

LEBLEBİCİOĞLU M. K. , Fault detection and diagnosis in nonlinear dynamical systems, Doctorate, E.KILIÇ(Student), 2005

LEBLEBİCİOĞLU M. K. , Congestion control for the available bit rate (ABR) service in asynchronous transfer mode (ATM) networks, Postgraduate, H.BOZKURT(Student), 2005

LEBLEBİCİOĞLU M. K. , Routing optimization methods for communication networks, Postgraduate, A.EMRAH(Student), 2005

LEBLEBİCİOĞLU M. K. , Target identification using ISAR imaging techniques, Postgraduate, E.LEVENT(Student), 2005

LEBLEBİCİOĞLU M. K. , Dinamik mühimmat ikmal sistemi optimizasyon çalışması, Postgraduate, Y.AKARDERE(Student), 2005

LEBLEBİCİOĞLU M. K. , Small-size unmanned model helicopter guidance and control, Postgraduate, Ç.KARASU(Student), 2004

TOMAK M., LEBLEBİCİOĞLU M. K. , Numerical studies of the electronic properties of low dimensional semikonduktor heterostructures, Doctorate, B.DİKMEN(Student), 2004

LEBLEBİCİOĞLU M. K. , Performance optimization of monopulse tracking radar, Postgraduate, M.ALPER(Student), 2004

LEBLEBİCİOĞLU M. K. , Askeri birliklerde personel yeterliliği için bulanık uzman sistem tasarımı, Postgraduate, S.AKBAY(Student), 2004

LEBLEBİCİOĞLU M. K. , Göreve yönelik bulanık tabanlı uzman araç alım karar sistemlerinin oluşturulması J. GN. K. lığında örnek bir uygulama, Postgraduate, Ö.İPEK(Student), 2004

LEBLEBİCİOĞLU M. K. , Silah etkinlik katsayılarının bulanık mantık yöntemi ile tespit edilmesi, Postgraduate, A.ÇAKIR(Student), 2004

ÖZGEN C., LEBLEBİCİOĞLU M. K. , Model predictive control (MPC) performance for controlling reaction systems, Postgraduate, İ.AŞAR(Student), 2004

LEBLEBİCİOĞLU M. K. , HALICI U., Active stereo vision: Depth perception for navigation, environmental map formation and object recognition, Doctorate, İ.ULUSOY(Student), 2003

LEBLEBİCİOĞLU M. K. , Mayın tarlası oluşturma probleminde optimizasyon yaklaşımı, Postgraduate, Y.KÖSEHAN(Student), 2003

ÖZGEN C., LEBLEBİCİOĞLU M. K. , Adaptive neuro fuzzy inference system (anfis) applications in chemical processes, Postgraduate, E.GÜNER(Student), 2003

LEBLEBİCİOĞLU M. K. , Control actuation systems and seeker units of an air-to-surface guided munition, Postgraduate, E.AKKAL(Student), 2003

LEBLEBİCİOĞLU M. K. , Radar target classification based on range profiles and ISAR images, Postgraduate, İ.ÇALIŞKAN(Student), 2003

LEBLEBİCİOĞLU M. K. , A Pursuit evasion game between a missile and an aircraft, Postgraduate, K.DİDEM(Student), 2002

LEBLEBİCİOĞLU M. K. , A Guidance and control method for a tail controlled bomb, Postgraduate, C.PERKGÖZ(Student), 2002

ÖZGEN C., LEBLEBİCİOĞLU M. K. , Fuzzy and sliding mode control of a pH neutralization system, Postgraduate, Ü.AKBAY(Student), 2002

LEBLEBİCİOĞLU M. K. , Conflict resolution in air traffic management, Postgraduate, M.SUPHİ(Student), 2001

LEBLEBİCİOĞLU M. K. , Usage of genetic programming for solving robot navigation and system identification problems, Postgraduate, U.BELDEK(Student), 2001

LEBLEBİCİOĞLU M. K. , HALICI U., An Automated differential blood count system, Doctorate, G.ONGUN(Student), 2001

LEBLEBİCİOĞLU M. K. , Modelling the ISE 100 index and the four different types of players: Large-cap, corporate, mid-cap and foreign investors by using fuzzy logic and neuro-fuzzy systems, Postgraduate, H.AKSOY(Student), 2001

LEBLEBİCİOĞLU M. K. , Some applications of morphological filter design in image processing, Postgraduate, Ö.KARAMEŞE(Student), 2001

LEBLEBİCİOĞLU M. K. , Bilinear space /spatial-frequency representations for particle-location analysis of in-line fresnel holograms, Doctorate, M.TANKUT(Student), 1999

LEBLEBİCİOĞLU M. K. , Optimal-trajectory tracking guidance of an aircraft with final velocity constraint, Postgraduate, D.ERDOĞMUŞ(Student), 1999

LEBLEBİCİOĞLU M. K. , HALICI U, Fractal image compression techniques, Postgraduate, E.GÜRSES(Student), 1999

LEBLEBİCİOĞLU M. K. , Model predictive control using neural networks applied to flight control, Postgraduate, S.TARKAN(Student), 1999

LEBLEBİCİOĞLU M. K. , Hybrid methods in intelligent control, Postgraduate, T.SERHAT(Student), 1999

ÖZGEN C., LEBLEBİCİOĞLU M. K. , Some sliding mode control applications in brushless DC motor and pH systems, Postgraduate, F.KAFFAŞI(Student), 1999

LEBLEBİCİOĞLU M. K. , Fuzzy control of brushless DC motors, Postgraduate, Y.SUBAŞI(Student), 1998

LEBLEBİCİOĞLU M. K. , Initial alignment techniques for strapdown inertial navigation systems, Postgraduate, T.İNÇİ(Student), 1997

LEBLEBİCİOĞLU M. K. , Flight control using neural networks and fuzzy logic, Postgraduate, M.ÖZGÜR(Student), 1997

LEBLEBİCİOĞLU M. K. , Optimum geometry for torque ripple minimization of switched reluctance motors, Postgraduate, F.ŞAHİN(Student), 1996

LEBLEBİCİOĞLU M. K. , Image compression based on a fractal theory of iterated function systems, Postgraduate, R.H. (Student), 1995

LEBLEBİCİOĞLU M. K. , KUZUOĞLU M. , A Four-parameter atomic decomposition and the related time-frequency distribution, Doctorate, A.BULTAN(Student), 1995

LEBLEBİCİOĞLU M. K. , Certain time-frequency representations and their applications, Postgraduate, H.ŞİRİN(Student), 1995

LEBLEBİCİOĞLU M. K. , Genetic algorithms and some of their applications, Postgraduate, H.ARIKAN(Student), 1995

LEBLEBİCİOĞLU M. K. , Observer design techniques for non-linear systems, Postgraduate, A.SEVİNÇ(Student), 1995

LEBLEBİCİOĞLU M. K. , Controllability and observability in infinite dimensional systems, Postgraduate, H.SEMİH(Student), 1993

LEBLEBİCİOĞLU M. K. , Solution of field problems by the finite element method, Postgraduate, R.TAŞ(Student), 1993

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Energy and Time Optimal Autopilot for Electric Vehicles Performing Ackerman Cornering**
Ahiska K., ÖZGÖREN M. K. , LEBLEBİCİOĞLU M. K.
IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, 2022 (Journal Indexed in SCI)
- II. **Design, Modeling, and Control Allocation of a Heavy-Lift Aerial Vehicle Consisting of Large Fixed Rotors and Small Tiltrotors**
Ozdogan G., LEBLEBİCİOĞLU M. K.
IEEE-ASME TRANSACTIONS ON MECHATRONICS, 2022 (Journal Indexed in SCI)
- III. **Determining allowable parametric uncertainty in an uncommon quadrotor model for closed loop stability**
Baskin M., LEBLEBİCİOĞLU M. K.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.30, no.3, pp.695-712, 2022 (Journal Indexed in SCI)
- IV. **Energy Optimality in Electric Vehicles Along Uphill-Downhill Roads**
Ahiska K., ÖZGÖREN M. K. , LEBLEBİCİOĞLU M. K.
IEEE TRANSACTIONS ON INTELLIGENT VEHICLES, vol.6, no.3, pp.390-405, 2021 (Journal Indexed in SCI)
- V. **Online path planning for unmanned aerial vehicles to maximize instantaneous information**
Ergezer H., LEBLEBİCİOĞLU M. K.
INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS, vol.18, no.3, 2021 (Journal Indexed in SCI)
- VI. **Combined system identification and robust control of a gimbal platform**
Baskin M., LEBLEBİCİOĞLU M. K.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.29, no.4, pp.2247-2262, 2021
(Journal Indexed in SCI)

VII. **Identification of Physical Helicopter Models Using Subspace Identification**

Avcioglu S., KUTAY A. T. , Lelebicioglu K.

JOURNAL OF THE AMERICAN HELICOPTER SOCIETY, vol.65, no.2, 2020 (Journal Indexed in SCI)

VIII. **Experimental test of vision-based navigation and system identification of an unmanned underwater survey vehicle (SAGA) for the yaw motion**

Kartal S. K. , LEBLEBİCİOĞLU M. K. , Ege E.

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.41, no.8, pp.2160-2170, 2019 (Journal Indexed in SCI)

IX. **Computerized hybrid decision-making system for hormone replacement therapy in menopausal women**

Bacak H. Ö. , LEBLEBİCİOĞLU M. K. , TANAÇAN A., BEKSAÇ M. S.

TECHNOLOGY AND HEALTH CARE, vol.27, no.1, pp.49-59, 2019 (Journal Indexed in SCI)

X. **Computerized prediction system for the route of delivery (vaginal birth versus cesarean section)**

BEKSAÇ M. S. , TANAÇAN A., Bacak H. O. , Lelebicioglu K.

JOURNAL OF PERINATAL MEDICINE, vol.46, no.8, pp.881-884, 2018 (Journal Indexed in SCI)

XI. **Time series classification with feature covariance matrices**

Ergezer H., Lelebicioglu K.

KNOWLEDGE AND INFORMATION SYSTEMS, vol.55, no.3, pp.695-718, 2018 (Journal Indexed in SCI)

XII. **Experimental test of the acoustic-based navigation and system identification of an unmanned underwater survey vehicle (SAGA)**

KARTAL S., LEBLEBİCİOĞLU M. K. , Ege E.

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.40, no.8, pp.2476-2487, 2018 (Journal Indexed in SCI)

XIII. **Sensor fusion, sensitivity analysis and calibration in shooter localization systems**

Akman C., Sonmez T., Ozgur O., Basil A. B. , LEBLEBİCİOĞLU M. K.

SENSORS AND ACTUATORS A-PHYSICAL, vol.271, pp.66-75, 2018 (Journal Indexed in SCI)

XIV. **Autopilot Design for Vehicle Cornering Through Icy Roads**

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

IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, vol.67, no.3, pp.1867-1880, 2018 (Journal Indexed in SCI)

XV. **Computerized prediction system for the route of delivery (vaginal birth versus cesarean section)**

BEKSAÇ M. S. , TANAÇAN A., Bacak H. Ö. , LEBLEBİCİOĞLU M. K.

Journal Of Perinatal Medicine, 2018 (Journal Indexed in SCI)

XVI. **Optimal energy allocation policies for a high altitude flying wireless access point**

Ceran E. T. , Erkilic T., UYSAL BIYIKOĞLU E., GİRİCİ T., Lelebicioglu K.

TRANSACTIONS ON EMERGING TELECOMMUNICATIONS TECHNOLOGIES, vol.28, no.4, 2017 (Journal Indexed in SCI)

XVII. **Robust control for line-of-sight stabilization of a two-axis gimbal system**

Baskin M., Lelebicioglu K.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.5, pp.3839-3854, 2017
(Journal Indexed in SCI)

XVIII. **Design and analysis of a mode-switching micro unmanned aerial vehicle**

Cakici F., LEBLEBİCİOĞLU M. K.

INTERNATIONAL JOURNAL OF MICRO AIR VEHICLES, vol.8, no.4, pp.221-229, 2016 (Journal Indexed in SCI)

XIX. **State estimation of transient flow in gas pipelines by a Kalman filter-based estimator**

DURGUT İ., LEBLEBİCİOĞLU M. K.

JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, vol.35, pp.189-196, 2016 (Journal Indexed in SCI)

XX. **Coordinated guidance for multiple UAVs**

Cakici F., Ergezer H., Irmak U., LEBLEBİCİOĞLU M. K.

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.38, no.5, pp.593-601, 2016 (Journal

Indexed in SCI)

- XXI. **Frequency response function measurement and parametric SISO system modelling of a gyro-stabilized infrared electro optic gimbal system**
Ozdogan G., Leblebicioglu K.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.38, no.5, pp.512-528, 2016 (Journal Indexed in SCI)
- XXII. **Approximation based curvilinear local search for optimization problems**
Yaman F., YILMAZ A. E. , Leblebicioglu K.
ENGINEERING COMPUTATIONS, vol.33, no.2, pp.482-506, 2016 (Journal Indexed in SCI)
- XXIII. **A new systematic and flexible method for developing hierarchical decision-making models**
BELDEK U., LEBLEBİCİOĞLU M. K.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.23, no.1, pp.279-297, 2015 (Journal Indexed in SCI)
- XXIV. **2D high-frequency forward-looking sonar simulator based on continuous surfaces approach**
Sac H., Leblebicioglu K., Bozdagi Akar G.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.23, pp.2289-2303, 2015 (Journal Indexed in SCI)
- XXV. **Optimal control of a half-circular compliant legged monopod**
AYDIN Y. O. , SARANLI A., YAZICIOĞLU Y., SARANLI U., LEBLEBICIOGLU K.
CONTROL ENGINEERING PRACTICE, vol.33, pp.10-21, 2014 (Journal Indexed in SCI)
- XXVI. **A New Method Based on Adaptive Discrete Wavelet Entropy Energy and Neural Network Classifier (ADWEENN) for Recognition of Urine Cells from Microscopic Images Independent of Rotation and Scaling**
Avcı D., LEBLEBİCİOĞLU M. K. , POYRAZ M., DOĞANTEKİN E.
JOURNAL OF MEDICAL SYSTEMS, vol.38, no.2, 2014 (Journal Indexed in SCI)
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