

# 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

Post Graduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Matematik (Dr),  
Turkey 1980 - 1982

Under Graduate, 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, Elektrik-Elektronik Mühendisliği Bölümü, 1999 -  
Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü,  
1993 - 1999

Assistant Professor, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü,  
1988 - 1993

## Advising Theses

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

LEBLEBİCİOĞLU M. K. , Dynamic modelling and control of a gimballed airborne antenna platform with mass unbalance  
and friction, Post Graduate, T.KOBAL(Student), 2018

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

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

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

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

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

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

YAVRUCUK İ., LEBLEBİCİOĞLU M. K. , Control and guidance of a multi-mode unmanned aerial vehicle for increased

versatility, Doctorate, F.ÇAKICI(Student), 2016

LEBLEBİCİOĞLU M. K. , Design and control of X5 unmanned aerial robot, Post Graduate, M.EBADOLLAHI(Student), 2015

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

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

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

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

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

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

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

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

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

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

LEBLEBİCİOĞLU M. K. , Autopilot design for a quadrotor, Post Graduate, M.SAMI(Student), 2014

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

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

LEBLEBİCİOĞLU M. K. , Sliding mode guidance of an air-to-air missile, Post Graduate, 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. , Acoustic tracking of ship wakes, Doctorate, Ç.ÖNÜR(Student), 2013

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

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

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

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

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

LEBLEBİCİOĞLU M. K. , Modelling and simulation of a wheeled land vehicle, Post Graduate, A.LAFCI(Student), 2010

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

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

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

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

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

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

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

LEBLEBİCİOĞLU M. K. , Image segmentation and smoothing via partial differential equations, Post Graduate,

N.ÖZMEN(Student), 2009  
LEBLEBİCİOĞLU M. K. , Design and improvement of multi-level decision-making models, Doctorate, U.BELDEK(Student), 2009  
LEBLEBİCİOĞLU M. K. , Autopilot and guidance for anti-tank imaging infrared guided missiles, Post Graduate, A.ERDEM(Student), 2008  
LEBLEBİCİOĞLU M. K. , Towards the enhancement of biped locomotion and control techniques, Doctorate, B.YÜKSEL(Student), 2008  
LEBLEBİCİOĞLU M. K. , ERTAN H. B. , A control algorithm to minimize torque ripple and acoustic noise of switched reluctance motors, Doctorate, E.BİZKEVELCİ(Student), 2008  
LEBLEBİCİOĞLU M. K. , Araç Rotalama Problemlerinin Çözümüne Bir Yaklaşım, Post Graduate, E.ELDELEKLİ(Student), 2007  
LEBLEBİCİOĞLU M. K. , 3D synthetic human face modelling tool based on T-spline surfaces, Post Graduate, A.AYDOĞAN(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. , Visual detection and tracking of moving objects, Post Graduate, H.ERGEZER(Student), 2007  
LEBLEBİCİOĞLU M. K. , ÇOK NAMLULU ROKETATAR BİRLİKLERİNİN İLAVE MÜHİMMAT DEPO YERLERİNİN TESPİTİ İÇİN BİR METOT, Post Graduate, H.ÇAĞRICI(Student), 2007  
LEBLEBİCİOĞLU M. K. , Varying mass missile dynamics, guidance and control, Post Graduate, Y.GÜNBATAR(Student), 2007  
LEBLEBİCİOĞLU M. K. , Development and comparison of autopilot and guidance algorithms for missiles, Post Graduate, Ç.EVCİMEN(Student), 2007  
LEBLEBİCİOĞLU M. K. , Image segmentation based on variational techniques, Post Graduate, A.DURAMAZ(Student), 2006  
LEBLEBİCİOĞLU M. K. , Autopilot and guidance algorithms for infrared guided missiles, Post Graduate, K.ÇAĞLAR(Student), 2006  
LEBLEBİCİOĞLU M. K. , Six-legged walking machine: The robot-EA308, Doctorate, M.SUPHİ(Student), 2006  
LEBLEBİCİOĞLU M. K. , Fault detection and diagnosis in nonlinear dynamical systems, Doctorate, E.KILIÇ(Student), 2005  
LEBLEBİCİOĞLU M. K. , Target identification using ISAR imaging techniques, Post Graduate, E.LEVENT(Student), 2005  
LEBLEBİCİOĞLU M. K. , Harekât alanında muharip jet uçaklarının hava görev emrinin modellenmesi, Post Graduate, T.GÜRDAL(Student), 2005  
LEBLEBİCİOĞLU M. K. , Congestion control for the available bit rate (ABR) service in asynchronous transfer mode (ATM) networks, Post Graduate, H.BOZKURT(Student), 2005  
LEBLEBİCİOĞLU M. K. , Dinamik mühimmat ikmal sistemi optimizasyon çalışması, Post Graduate, Y.AKARDERE(Student), 2005  
LEBLEBİCİOĞLU M. K. , Routing optimization methods for communication networks, Post Graduate, A.EMRAH(Student), 2005  
LEBLEBİCİOĞLU M. K. , ÖZGEN C., Model predictive control (MPC) performance for controlling reaction systems, Post Graduate, İ.AŞAR(Student), 2004  
LEBLEBİCİOĞLU M. K. , Silah etkinlik katsayılarının bulanık mantık yöntemi ile tespit edilmesi, Post Graduate, A.ÇAKIR(Student), 2004  
LEBLEBİCİOĞLU M. K. , Small-size unmanned model helicopter guidance and control, Post Graduate, Ç.KARASU(Student), 2004  
LEBLEBİCİOĞLU M. K. , Askeri birliklerde personel yeterliliği için bulanık uzman sistem tasarımı, Post Graduate, S.AKBAY(Student), 2004  
LEBLEBİCİOĞLU M. K. , TOMAK M., 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, Post Graduate, M.ALPER(Student), 2004  
LEBLEBİCİOĞLU M. K. , Göreve yönelik bulanık tabanlı uzman araç alım karar sistemlerinin oluşturulması J. GN. K. Iğında örnek bir uygulama, Post Graduate, Ö.İPEK(Student), 2004  
LEBLEBİCİOĞLU M. K. , Radar target classification based on range profiles and ISAR images, Post Graduate,

İ.ÇALIŞKAN(Student), 2003  
HALICI U., LEBLEBİCİOĞLU M. K. , Active stereo vision: Depth perception for navigation, environmental map formation and object recognition, Doctorate, İ.ULUSOY(Student), 2003  
LEBLEBİCİOĞLU M. K. , Control actuation systems and seeker units of an air-to-surface guided munition, Post Graduate, E.AKKAL(Student), 2003  
LEBLEBİCİOĞLU M. K. , ÖZGEN C., Adaptive neuro fuzzy inference system (anfis) applications in chemical processes, Post Graduate, E.GÜNER(Student), 2003  
LEBLEBİCİOĞLU M. K. , Mayın tarlası oluşturma probleminde optimizasyon yaklaşımı, Post Graduate, Y.KÖSEHAN(Student), 2003  
LEBLEBİCİOĞLU M. K. , A Guidance and control method for a tail controlled bomb, Post Graduate, C.PERKGÖZ(Student), 2002  
LEBLEBİCİOĞLU M. K. , ÖZGEN C., Fuzzy and sliding mode control of a pH neutralization system, Post Graduate, Ü.AKBAY(Student), 2002  
LEBLEBİCİOĞLU M. K. , A Pursuit evasion game between a missile and an aircraft, Post Graduate, K.DİDEM(Student), 2002  
LEBLEBİCİOĞLU M. K. , Some applications of morphological filter design in image processing, Post Graduate, Ö.KARAMEŞE(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, Post Graduate, H.AKSOY(Student), 2001  
LEBLEBİCİOĞLU M. K. , Conflict resolution in air traffic management, Post Graduate, M.SUPHİ(Student), 2001  
HALICI U., LEBLEBİCİOĞLU M. K. , An Automated differential blood count system, Doctorate, G.ONGUN(Student), 2001  
LEBLEBİCİOĞLU M. K. , Usage of genetic programming for solving robot navigation and system identification problems, Post Graduate, U.BELDEK(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. , Hybrid methods in intelligent control, Post Graduate, T.SERHAT(Student), 1999  
LEBLEBİCİOĞLU M. K. , Model predictive control using neural networks applied to flight control, Post Graduate, S.TARKAN(Student), 1999  
LEBLEBİCİOĞLU M. K. , Optimal trajectory tracking guidance of an aircraft with final velocity constraint, Post Graduate, D.ERDOĞMUŞ(Student), 1999  
LEBLEBİCİOĞLU M. K. , ÖZGEN C., Some sliding mode control applications in brushless DC motor and pH systems, Post Graduate, F.KAFFASHİ(Student), 1999  
HALICI U., LEBLEBİCİOĞLU M. K. , Fractal image compression techniques, Post Graduate, E.GÜRSES(Student), 1999  
LEBLEBİCİOĞLU M. K. , Fuzzy control of brushless DC motors, Post Graduate, Y.SUBAŞI(Student), 1998  
LEBLEBİCİOĞLU M. K. , Flight control using neural networks and fuzzy logic, Post Graduate, M.ÖZGÜR(Student), 1997  
LEBLEBİCİOĞLU M. K. , Initial alignment techniques for strapdown inertial navigation systems, Post Graduate, T.İNCİ(Student), 1997  
LEBLEBİCİOĞLU M. K. , Optimum geometry for torque ripple minimization of switched reluctance motors, Post Graduate, F.ŞAHİN(Student), 1996  
LEBLEBİCİOĞLU M. K. , Observer design techniques for non-linear systems, Post Graduate, A.SEVİNÇ(Student), 1995  
LEBLEBİCİOĞLU M. K. , Image compression based on a fractal theory of iterated function systems, Post Graduate, R.H. (Student), 1995  
LEBLEBİCİOĞLU M. K. , Certain time-frequency representations and their applications, Post Graduate, H.ŞİRİN(Student), 1995  
LEBLEBİCİOĞLU M. K. , Genetic algorithms and some of their applications, Post Graduate, H.ARIKAN(Student), 1995  
KUZUOĞLU M., LEBLEBİCİOĞLU M. K. , A Four parameter atomic decomposition and the related time-frequency distribution, Doctorate, A.BULTAN(Student), 1995  
LEBLEBİCİOĞLU M. K. , Solution of field problems by the finite element method, Post Graduate, R.TAŞ(Student), 1993  
LEBLEBİCİOĞLU M. K. , Controllability and observability in infinite dimensional systems, Post Graduate, H.SEMİH(Student), 1993

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

- **Identification of Physical Helicopter Models Using Subspace Identification**  
 Avcioglu S., KUTAYA. T. , Leblebicioglu K.  
 JOURNAL OF THE AMERICAN HELICOPTER SOCIETY, vol.65, 2020 (Journal Indexed in SCI)
- **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, pp.2160-2170, 2019 (Journal Indexed in SCI)
- **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, pp.49-59, 2019 (Journal Indexed in SCI)
- **Computerized prediction system for the route of delivery (vaginal birth versus cesarean section)**  
 BEKSAÇ M. S. , TANAÇAN A., Bacak H. O. , Leblebicioglu K.  
 JOURNAL OF PERINATAL MEDICINE, vol.46, pp.881-884, 2018 (Journal Indexed in SCI)
- **Time series classification with feature covariance matrices**  
 Ergezer H., Leblebicioglu K.  
 KNOWLEDGE AND INFORMATION SYSTEMS, vol.55, pp.695-718, 2018 (Journal Indexed in SCI)
- **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, pp.2476-2487, 2018 (Journal Indexed in SCI)
- **Autopilot Design for Vehicle Cornering Through Icy Roads**  
 Ahiska K., ÖZGÖREN M. K. , LEBLEBİCİOĞLU M. K.  
 IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, vol.67, pp.1867-1880, 2018 (Journal Indexed in SCI)
- **Sensor fusion, sensitivity analysis and calibration in shooter localization systems**  
 Akman C., Sonmez T., Ozugur O., Basil A. B. , LEBLEBİCİOĞLU M. K.  
 SENSORS AND ACTUATORS A-PHYSICAL, vol.271, pp.66-75, 2018 (Journal Indexed in SCI)
- **Optimal energy allocation policies for a high altitude flying wireless access point**  
 Ceran E. T. , Erkilic T., UYSAL BMYKOĞLU E., GİRİCİ T., Leblebicioglu K.  
 TRANSACTIONS ON EMERGING TELECOMMUNICATIONS TECHNOLOGIES, vol.28, 2017 (Journal Indexed in SCI)
- **Robust control for line-of-sight stabilization of a two-axis gimbal system**  
 Baskin M., Leblebicioglu K.  
 TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, pp.3839-3854, 2017 (Journal Indexed in SCI)
- **Design and analysis of a mode-switching micro unmanned aerial vehicle**  
 Cakici F., LEBLEBİCİOĞLU M. K.  
 INTERNATIONAL JOURNAL OF MICRO AIR VEHICLES, vol.8, pp.221-229, 2016 (Journal Indexed in SCI)
- **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)
- **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, pp.512-528, 2016 (Journal Indexed in SCI)
- **Coordinated guidance for multiple UAVs**  
 Cakici F., Ergezer H., Irmak U., LEBLEBİCİOĞLU M. K.  
 TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.38, pp.593-601, 2016 (Journal Indexed in SCI)
- **Approximation based curvilinear local search for optimization problems**  
 Yaman F., YILMAZ A. E. , Leblebicioglu K.

ENGINEERING COMPUTATIONS, vol.33, pp.482-506, 2016 (Journal Indexed in SCI)

- **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)

- **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, pp.279-297, 2015 (Journal Indexed in SCI)

- **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)

- **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, 2014 (Journal Indexed in SCI)

- **Approximating the optimal mapping for weapon target assignment by fuzzy reasoning**

Sahin M. A. , Leblebicioglu K.

INFORMATION SCIENCES, vol.255, pp.30-44, 2014 (Journal Indexed in SCI)

- **3D Path Planning for Multiple UAVs for Maximum Information Collection**

Ergezer H., Leblebicioglu K.

JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, vol.73, pp.737-762, 2014 (Journal Indexed in SCI)

- **Proportional Fair Resource Allocation on an Energy Harvesting Downlink**

Tekbiyik N., GİRİCİ T., UYSAL BİYKOĞLU E., Leblebicioglu K.

IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, vol.12, pp.1699-1711, 2013 (Journal Indexed in SCI)

- **Path Planning for UAVs for Maximum Information Collection**

Ergezer H., LEBLEBİCİOĞLU M. K.

IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, vol.49, pp.502-520, 2013 (Journal Indexed in SCI)

- **From classic observability to a simple fuzzy observability for fuzzy discrete-event systems**

KILIÇ E., Leblebicioglu K.

INFORMATION SCIENCES, vol.187, pp.224-232, 2012 (Journal Indexed in SCI)

- **INtERCEDE: An algorithmic approach to networked control system design**

Senol S., Leblebicioglu K., Schmidt E. G.

JOURNAL OF NETWORK AND COMPUTER APPLICATIONS, vol.34, pp.1326-1341, 2011 (Journal Indexed in SCI)

- **Kalman filtering based approach for light flicker evaluation of power systems**

Kose N., Salor O., Leblebicioglu K.

IET GENERATION TRANSMISSION & DISTRIBUTION, vol.5, pp.57-69, 2011 (Journal Indexed in SCI)

- **A Complexity-Reduced ML Parametric Signal Reconstruction Method**

Deprem Z., Leblebicioglu K., ARIKAN O., ÇETİN A. E.

EURASIP JOURNAL ON ADVANCES IN SIGNAL PROCESSING, 2011 (Journal Indexed in SCI)

- **Interharmonics analysis of power signals with fundamental frequency deviation using Kalman filtering**

Köse N., Salor O., LEBLEBİCİOĞLU M. K.

ELECTRIC POWER SYSTEMS RESEARCH, vol.80, pp.1145-1153, 2010 (Journal Indexed in SCI)

- **Neural network method for direction of arrival estimation with uniform cylindrical microstrip patch array**

Caylar S., Dural G., Leblebicioglu K.

IET MICROWAVES ANTENNAS & PROPAGATION, vol.4, pp.153-161, 2010 (Journal Indexed in SCI)

- **Local decision making and decision fusion in hierarchical levels**

BELDEK U., LEBLEBİCİOĞLU M. K.

TOP, vol.17, pp.44-69, 2009 (Journal Indexed in SCI)

- **Free gait generation with reinforcement learning for a six-legged robot**

- Erden M. S. , Leblebicioglu K.  
ROBOTICS AND AUTONOMOUS SYSTEMS, vol.56, pp.199-212, 2008 (Journal Indexed in SCI)
- **Analysis of wave gaits for energy efficiency**  
Erden M. S. , Leblebicioglu K.  
AUTONOMOUS ROBOTS, vol.23, pp.213-230, 2007 (Journal Indexed in SCI)
  - **High-frequency loss calculation in a smooth rotor induction motor using FEM**  
Ertan H. B. , Leblebicioglu K., Avenoglu B., Pirgaip M.  
IEEE TRANSACTIONS ON ENERGY CONVERSION, vol.22, pp.566-575, 2007 (Journal Indexed in SCI)
  - **Strategy creation, decomposition and distribution in particle navigation**  
Beldek U., Leblebicioglu K.  
INFORMATION SCIENCES, vol.177, pp.755-770, 2007 (Journal Indexed in SCI)
  - **Torque distribution in a six-legged robot**  
Erden M. S. , Leblebicioglu K.  
IEEE TRANSACTIONS ON ROBOTICS, vol.23, pp.179-186, 2007 (Journal Indexed in SCI)
  - **A new neural network approach to the target tracking problem with smart structure**  
Caylar S., Leblebicioglu K., Dural G.  
RADIO SCIENCE, vol.41, 2006 (Journal Indexed in SCI)
  - **Fault diagnosis with dynamic fuzzy discrete event system approach**  
Kilic E., Karasu C., Leblebicioglu K.  
ARTIFICIAL INTELLIGENCE AND NEURAL NETWORKS, vol.3949, pp.117-124, 2006 (Journal Indexed in SCI)
  - **Refining the progressive multiple sequence alignment score using genetic algorithms**  
Ergezer H., Leblebicioglu K.  
ARTIFICIAL INTELLIGENCE AND NEURAL NETWORKS, vol.3949, pp.177-184, 2006 (Journal Indexed in SCI)
  - **State estimator design for multicomponent batch distillation columns**  
Yildiz U., Gurkan U., Ozgen C., Leblebicioglu K.  
CHEMICAL ENGINEERING RESEARCH & DESIGN, vol.83, pp.433-444, 2005 (Journal Indexed in SCI)
  - **Artificial neural network estimator design for the inferential model predictive control of an industrial distillation column**  
Bahar A., Ozgen C., Leblebicioglu K., Halici U.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.43, pp.6102-6111, 2004 (Journal Indexed in SCI)
  - **Time-frequency analysis of visual evoked potentials for interhemispheric transfer time and proportion in callosal fibers of different diameters**  
ULUSOY PARNAS İ., HALICI U., NALÇACI E., ANAÇ İ., LEBLEBİCİOĞLU M. K. , EROĞLU C.  
BIOLOGICAL CYBERNETICS, vol.90, pp.291-301, 2004 (Journal Indexed in SCI)
  - **Multi-agent system-based fuzzy controller design with genetic tuning for a mobile manipulator robot in the hand over task**  
Erden M., Leblebicioglu K., Halici U.  
JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, vol.39, pp.287-306, 2004 (Journal Indexed in SCI)
  - **Application of genetic algorithms to geometry optimization of microclusters: A comparative study of empirical potential energy functions for silicon**  
Erkoc S., Leblebicioglu K., Halici U.  
MATERIALS AND MANUFACTURING PROCESSES, vol.18, pp.329-339, 2003 (Journal Indexed in SCI)
  - **Infinite dimensional Hopfield neural networks**  
Leblebicioglu K., Halici U., Celebi O.  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, vol.47, pp.5807-5813, 2001 (Journal Indexed in SCI)
  - **Optimum geometry for torque ripple minimization of switched reluctance motors**  
Sahin F., Ertan H., Leblebicioglu K.  
IEEE TRANSACTIONS ON ENERGY CONVERSION, vol.15, pp.30-39, 2000 (Journal Indexed in SCI)
  - **Use of computationally efficient method of moments in the optimization of printed antennas**  
Alatan L., Aksun M., Leblebicioglu K., Birand M.  
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol.47, pp.725-732, 1999 (Journal Indexed in SCI)
  - **Electromagnetic Target Classification using time frequency analysis and neural networks**

SAYAN G., LEBLEBİCİOĞLU M. K. , İNCE T.

Microwave And Optical Technology Letters, vol.21, pp.63-69, 1999 (Journal Indexed in SCI Expanded)

- **Input signal shaping for target identification using genetic algorithms**

SAYAN G., LEBLEBİCİOĞLU M. K. , İNAN S.

Microwave And Optical Technology Letters, vol.17, pp.128-132, 1998 (Journal Indexed in SCI Expanded)

- **Design optimization of variable frequency driven three-phase induction motors**

Ertan B., Leblebicioglu K., Simsir B., Hamarat S., Cekic A., Pirgaip M.

COMPEL-THE INTERNATIONAL JOURNAL FOR COMPUTATION AND MATHEMATICS IN ELECTRICAL AND ELECTRONIC ENGINEERING, vol.17, pp.135-140, 1998 (Journal Indexed in SCI)

- **Infinite dimensional radial basis function neural networks for nonlinear transformations on function spaces**

Leblebicioglu K., Halici U.

NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, vol.30, pp.1649-1654, 1997 (Journal Indexed in SCI)

- **Kalman-filter-based observer design around optimal control policy for gas pipelines**

Durgut I., Leblebicioglu K.

INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS, vol.24, pp.233-245, 1997 (Journal Indexed in SCI)

- **Infinite-dimensional multilayer perceptrons**

Kuzuoglu M., Leblebicioglu K.

IEEE TRANSACTIONS ON NEURAL NETWORKS, vol.7, pp.889-896, 1996 (Journal Indexed in SCI)

- **Optimal control of gas pipelines via infinite-dimensional analysis**

Durgut I., Leblebicioglu K.

INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS, vol.22, pp.867-879, 1996 (Journal Indexed in SCI)

- **Optimum geometry for torque ripple minimization of switched reluctance motors**

Sahin F., Ertan H., Leblebicioglu K.

COMPEL-THE INTERNATIONAL JOURNAL FOR COMPUTATION AND MATHEMATICS IN ELECTRICAL AND ELECTRONIC ENGINEERING, vol.14, pp.117-121, 1995 (Journal Indexed in SCI)

- **A METHOD FOR COMPARATIVE-EVALUATION OF EIT ALGORITHMS USING A STANDARD DATA SET**

IDER Y., EYUBOĞLU B., KUZUOĞLU M., LEBLEBİCİOĞLU K., BAYSAL U., CAGLAR B., BIRGUL O.

PHYSIOLOGICAL MEASUREMENT, vol.16, 1995 (Journal Indexed in SCI)

- **ANALYTIC AND SEMIANALYTIC SOLUTIONS IN ELECTRICAL-IMPEDANCE TOMOGRAPHY .1. 2-DIMENSIONAL PROBLEMS**

PIDCOCK M., KUZUOĞLU M., LEBLEBİCİOĞLU M. K.

PHYSIOLOGICAL MEASUREMENT, vol.16, pp.77-90, 1995 (Journal Indexed in SCI)

- **ANALYTIC AND SEMIANALYTIC SOLUTIONS IN ELECTRICAL-IMPEDANCE TOMOGRAPHY .2. 3-DIMENSIONAL PROBLEMS**

PIDCOCK M., KUZUOĞLU M., LEBLEBİCİOĞLU K.

PHYSIOLOGICAL MEASUREMENT, vol.16, pp.91-110, 1995 (Journal Indexed in SCI)

- **A FAST IMAGE-RECONSTRUCTION ALGORITHM FOR ELECTRICAL-IMPEDANCE TOMOGRAPHY**

KUZUOĞLU M., LEBLEBİCİOĞLU K., İDER Y.

PHYSIOLOGICAL MEASUREMENT, vol.15, 1994 (Journal Indexed in SCI)

- **OPTIMAL RANKING OF MEASUREMENTS FOR STATE ESTIMATION BY THE GRADIENT PROJECTION METHOD**

SEVAIOĞLU O., ESKICIOĞLU A., LEBLEBİCİOĞLU K.

INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.14, pp.375-382, 1992 (Journal Indexed in SCI)

- **AN OPTIMAL-CONTROL PROBLEM WITH NONLINEAR ELLIPTIC STATE-EQUATIONS**

LEBLEBİCİOĞLU M., CELEBİ A.

JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.164, pp.178-205, 1992 (Journal Indexed in SCI)



## Articles Published in Other Journals

- **An Intelligent Prenatal Screening System for the Prediction of Trisomy-21 Using Triple Test Variables: The Hacettepe System**

Katlan D. C. , TANAÇAN A., Örgül G., LEBLEBİCİOĞLU M. K. , BEKSAÇ M. S.

Gynecology Obstetrics Reproductive Medicine, pp.1, 2018 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- **Cogging Torque Disturbance Rejection for a Low-cost Gimbal Motor and a Controller Design with Practical Considerations**  
Özdoğan G., Lelebicioğlu K.  
12th Asian Control Conference, ASCC 2019, Kitakyushu, Japan, 9 - 12 June 2019, pp.486-491
- **Implementation of physical subspace identification on a realistic helicopter**  
Avcıoğlu S., KUTAY A. T. , Lelebicioğlu K.  
AIAA Scitech Forum, 2019, California, United States Of America, 7 - 11 January 2019
- **Parallel Docking Problem for Unmanned Surface Vehicles**  
Yılmaz I. C. , Ahiska K., LEBLEBİCİOĞLU M. K.  
15th International Conference on Control, Automation, Robotics and Vision (ICARCV), Singapore, Singapore, 18 - 21 November 2018, pp.744-749
- **Modeling and control of a heavy-lift helicopter consisting of large and small tilting rotors**  
Ozdogan G., Lelebicioğlu K.  
6th International Conference on Control Engineering and Information Technology, CEIT 2018, İstanbul, Turkey, 25 - 27 October 2018
- **Modelling, Design and Control of a Heavy-lift Helicopter With a Combination of Two Large and Two Small Rotors and Two Servo Motors**  
Lelebicioğlu M. K. , Özdoğan G.  
TOK 2018 Otomatik Kontrol Ulusal Toplantısı, Kayseri, Turkey, 12 - 14 September 2018, vol.1, no.1, pp.52-57
- **Coverage Based Cooperative Guidance Method for High Speed Air Targets**  
Lelebicioğlu M. K. , Cevher F. Y.  
TOK 2018 Ulusal Kongresi, Kayseri, Turkey, 12 - 14 September 2018, vol.1, no.1, pp.379-384
- **Parallel Docking Problem for Unmanned Surface Vehicles**  
Lelebicioğlu M. K. , Ahiska K., Yılmaz İ. Ç.  
TOK 2018 Ulusal Toplantısı, Kayseri, Turkey, 12 - 14 September 2018, vol.1, no.1, pp.313-318
- **Parallel Docking Problem for Unmanned Surface Vehicles**  
Lelebicioğlu M. K. , Ahiska K., Yılmaz İ. Ç.  
TOK 2018 Ulusal Toplantısı, Kayseri, Turkey, 12 - 14 September 2018, vol.1, no.1, pp.313-318
- **Modelling, Design and Control of a Heavy-lift Helicopter With a Combination of Two Large and Two Small Rotors and Two Servo Motors**  
Lelebicioğlu M. K. , Özdoğan G.  
TOK 2018 Otomatik Kontrol Ulusal Toplantısı, Kayseri, Turkey, 12 - 14 September 2018, vol.1, no.1, pp.52-57
- **Coverage Based Cooperative Guidance Method for High Speed Air Targets**  
Lelebicioğlu M. K. , Cevher F. Y.  
TOK 2018 Ulusal Kongresi, Kayseri, Turkey, 12 - 14 September 2018, vol.1, no.1, pp.379-384
- **PPNN DÜZENİNDEKİ İKİ SERVO MOTORLU DÖRT PERVANELİ ROBOT HELİKOPTERİN MODELLENMESİ VE KONTROLÜ**  
Lelebicioğlu M. K.  
SAVTEK 2018 Savunma Teknolojileri Kongresi, Ankara, Turkey, 27 - 29 June 2018, pp.1-12
- **PPNN DÜZENİNDEKİ İKİ SERVO MOTORLU DÖRT PERVANELİ ROBOT HELİKOPTERİN MODELLENMESİ VE KONTROLÜ**  
Lelebicioğlu M. K.  
SAVTEK 2018 Savunma Teknolojileri Kongresi, Ankara, Turkey, 27 - 29 June 2018, pp.1-12
- **Yer Etkisini Kullanan Araçlar**

LEBLEBİCİOĞLU M. K.

ELEKTRİK ELEKTRONİK MÜHENDİSLİĞİ KONGRESİ (EEMKON2017), Turkey, 16 - 18 November 2017

- **Real Time Path Planning for Unmanned Air Vehicles**

LEBLEBİCİOĞLU M. K.

Fifth International Symposium on Engineering, Artificial Intelligence Applications, 1 - 03 November 2017

- **An Approach for System Identification in Unmanned Surface Vehicles**

Erursal I. K. , Ahiska K., KUMRU M., LEBLEBİCİOĞLU M. K.

17th International Conference on Control, Automation and Systems (ICCAS), South Korea, 18 - 21 October 2017, pp.194-199

- **Time Series Classification Using Point-wise Features**

Ergezer H., LEBLEBİCİOĞLU M. K.

25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

- **Design and Analysis of a Mode-Switching Unmanned Aerial Vehicle**

LEBLEBİCİOĞLU M. K.

4th International Conference on Electrical and Electronic Engineering (ICEEE 2017), 8 - 10 April 2017

- **A New Multi-Agent Decision Making Structure and Application to Model-Based Fault Diagnosis Problem**

LEBLEBİCİOĞLU M. K. , Zengin Y., Schmidt K. V.

25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

- **A Survey on Tactical Control Algorithms for Path Tracking Unmanned Surface Vehicles**

KUMRU M., Leblebicioglu K., Erursal I. K. , Ahiska K.

14th International Conference on Control, Automation, Robotics and Vision (ICARCV), Phuket, Thailand, 13 - 15 November 2016

- **A Survey on Tactical Control Algorithms for Path Tracking Unmanned Surface Vehicles**

LEBLEBİCİOĞLU M. K. , ahiska k., KUMRU M., erursal k.

12th International Conference on Control, Automation, Robotics and Vision (ICARCV'2016), 13-15 November 2016, Phuket, Thailand. International Journal, 13 - 15 November 2016

- **Anomaly Detection and Activity Perception Using Covariance Descriptor for Trajectories**

Ergezer H., LEBLEBİCİOĞLU M. K.

14th European Conference on Computer Vision (ECCV), Amsterdam, Netherlands, 8 - 16 October 2016, vol.9914, pp.728-742

- **Optimal Autopilot and Guidance of the ROV: SAGA**

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

14th IFAC Symposium on Control in Transportation Systems (CTS), İstanbul, Turkey, 18 - 20 May 2016, vol.49, pp.401-406

- **Control System Design of a Vertical Take-off and Landing Fixed-Wing UAV**

Çakıcı F., LEBLEBİCİOĞLU M. K.

14th IFAC Symposium on Control in Transportation Systems (CTS), İstanbul, Turkey, 18 - 20 May 2016, vol.49, pp.267-272

- **Shooter Localization System Calibration and Implementation**

Akman C., Sonmez T., Ozugur O., LEBLEBİCİOĞLU M. K.

24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.2025-2028

- **Anomaly Detection in Trajectories**

Ergezer H., LEBLEBİCİOĞLU M. K.

24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1561-1564

- **Analysis of a UAV that can Hover and Fly Level**

Çakıcı F., Leblebicioglu M. K.

International Conference on Frontiers of Sensors Technologies (ICFST), Hong Kong, PEOPLES R CHINA, 12 - 14 March 2016, vol.59

- **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, South Korea, 13 - 16 October 2015, pp.101-106

- **Vision-based Navigation and System Identification of Underwater Survey Vehicle**  
Kartal S. K. , LEBLEBİCİOĞLU M. K. , Ege E.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.759-762
- **An expert system based on Discrete Wavelet Transform ANFIS for acquisition and recognition of invariant features from texture images**  
Avcı D., POYRAZ M., LEBLEBİCİOĞLU M. K.  
2015 23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, Turkey, 16 - 19 May 2015, pp.1070-1073
- **Atış tespit sistemleri için duyarlılık analizi**  
Özgür Ö., Sönmez T., LEBLEBİCİOĞLU M. K.  
2015 23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, Turkey, 16 - 19 May 2015, pp.1709-1716
- **Optimizing The Service Policy Of A Wireless Access Point On The Move With Renewable Energy**  
Ceran E. T. , Erkilic T., Uysal-Biyikoglu E., Girici T., Leblebicioglu K.  
52nd Annual Allerton Conference on Communication, Control, and Computing Allerton, Illinois, United States Of America, 1 - 03 October 2014, pp.967-974
- **3D path planning for unmanned aerial vehicles**  
Halit E., LEBLEBİCİOĞLU M. K.  
2013 INTERNATIONAL CONFERENCE ON UNMANNED AIRCRAFT SYSTEMS (ICUAS), 28 - 31 May 2013
- **Ground Target Tracking of a Temporarily Invisible Target due to Topographic Constraints**  
Alat G., LEBLEBİCİOĞLU M. K. , BAYKAL B.  
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- **Wake Tracking with Particle Filter**  
Onur C., LEBLEBİCİOĞLU M. K.  
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- **The Flare Effectiveness against Imaging Infrared Seekers**  
Yurttas R., LEBLEBİCİOĞLU M. K.  
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- **Kalman Prediction Based Proportional Fair Resource Allocation for a Solar Powered Base Station**  
Tekbiyik-Ersoy N., Uysal-Biyikoglu E., Leblebicioglu K., Girici T.  
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- **3D Path Planning for UAVs for Maximum Information Collection**  
Ergezer H., Leblebicioglu M. K.  
International Conference on Unmanned Aircraft Systems (ICUAS), Georgia, United States Of America, 28 - 31 May 2013, pp.79-88
- **Towards the Enhancement of Biped Locomotion and Control Techniques - Walking Pattern Classification**  
Yuksel B., LEBLEBİCİOĞLU M. K.  
16th International Symposium on Artificial Life and Robotics (AROB 16th '11), Beppu, Japan, 27 - 29 January 2011, pp.918-921
- **Gezer Bir Robot için Hedef Takibi ve Dairesel Yörüngede Seyir**  
ŞAMILOĞLU A. T. , GAZİ V. , KOKU A. B. , LEBLEBİCİOĞLU M. K.  
Türk Otomatik Kontrol Ulusal Toplantısı (TOK09), İstanbul, Turkey, 13 - 16 October 2009
- **A Standard Expert System For Weapon Target Assignment Problem**  
Sahin M. A. , LEBLEBİCİOĞLU M. K.  
International Symposium on Performance Evaluation Computer and Telecommunication Systems, İstanbul, Turkey, 13 - 16 July 2009, vol.41, pp.221-222
- **A Kalman Filter Based Approach for Light Flicker Evaluation of Power Systems**  
Kose N., Salor O., Leblebicioglu K.  
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, 9 - 11 April 2009,

pp.303-306

- **A Novel Noise Reduction Technology for Switched Reluctance Motors**

Bizkevelci E., ÖZLÜ ERTAN H. G. , Leblebicioglu K.

General Meeting of the IEEE-Power-and-Energy-Society, Pennsylvania, United States Of America, 20 - 24 July 2008, pp.3353-3354

- **Cylindrical Microstrip Patch Array Modified Neural Multiple Source Tracking Algorithm**

Caylar S., Dural G., Leblebicioglu K.

IEEE Antennas-and-Propagation-Society International Symposium, California, United States Of America, 5 - 11 July 2008, pp.1524-1527

- **MESSAGE SCHEDULING ALGORITHMS FOR NETWORKED CONTROL SYSTEMS WITH TIME SLOTTED COMMUNICATION PROTOCOLS**

Senol S., Leblebicioglu K., Schmidt E. G.

IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Turkey, 20 - 22 April 2008, pp.741-742

- **Visual Tracking of Objects via Rule-based Multiple Hypothesis Tracking**

Ergezer H., Leblebicioglu K.

IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Turkey, 20 - 22 April 2008, pp.749-750

- **Evaluation of Appropriateness of the Score Functions Used In Multiple Sequence Alignments Problem**

Ergezer H., Leblebicioglu K.

IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Turkey, 20 - 22 April 2008, pp.376-378

- **Development of an Electronic Attack (EA) System in Multi-Target Tracking**

Tuerkcue O., LEBLEBİCİOĞLU M. K.

IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Turkey, 20 - 22 April 2008, pp.132-133

- **A Novel Neural Network Method for Direction of Arrival Estimation with Uniform Cylindrical 12-Element Microstrip Patch Array**

Caylar S., Dural G., Leblebicioglu K.

IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Turkey, 20 - 22 April 2008, pp.54-57

- **Effects of control parameters on SRM performance: A parametric search**

Bizkevelci E., ÖZLÜ ERTAN H. G. , Leblebicioglu K.

Joint Conference on Electromotion/IEEE Aegean Conference on Electrical Machines and Power Electronics/, Bodrum, Turkey, 10 - 12 September 2007, pp.276-277

- **A neural network method for direction of arrival estimation with uniform circular dipole array in the presence of mutual coupling**

Caylar S., Leblebicioglu K., Dural G.

3rd International Conference on Recent Advances in Space Technologies, İstanbul, Turkey, 14 - 16 June 2007, pp.537-538

- **Modified neural multiple source tracking algorithm in the presence of mutual coupling**

Caylar S., Leblebicioglu K., Dural G.

IEEE Antennas-and-Propagation-Society International Symposium, Hawaii, United States Of America, 9 - 15 June 2007, pp.1020-1023

- **Visual detection and tracking of moving objects**

Ergezer H., Leblebicioglu K.

IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Turkey, 11 - 13 June 2007, pp.632-633

- **FlexRay Simulator Development For Networked Control System**

Senoll S., Leblebicioglu K., Schmidt E. G.

IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Turkey, 11 - 13 June 2007, pp.1178-1179

- **Direction of arrival estimation algorithm with uniform linear and circular array**

Caylar S., Lelebicioglu K., Dural G.

IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Turkey, 11 - 13 June 2007, pp.1212-1215

- **Developing growing hierarchical structures for decision making**

Beldek U., Lelebicioglu K.

22nd International Symposium on Computer and Information Sciences, Ankara, Turkey, 7 - 09 November 2007, pp.256-257

- **Hierarchical decision making and decision fusion**

Beldek U., Lelebicioglu K.

IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Turkey, 11 - 13 June 2007, pp.731-732

- **Optimum placement of microphone array for sound capture using genetic algorithms**

Birinci I. Y. , Lelebicioglu K.

IEEE 14th Signal Processing and Communications Applications, Antalya, Turkey, 16 - 19 April 2006, pp.485-486

- **Torque distribution for a six-legged robot**

Erden M. S. , Lelebicioglu K.

IEEE 14th Signal Processing and Communications Applications, Antalya, Turkey, 16 - 19 April 2006, pp.571-574

- **Analysis of wave gaits for energy efficiency**

Erden M. S. , Lelebicioglu K.

IEEE 14th Signal Processing and Communications Applications, Antalya, Turkey, 16 - 19 April 2006, pp.575-578

- **Ground reaction force analysis of biped locomotion**

Yuksel B., Zhou C., Lelebicioglu K.

IEEE Conference on Robotics, Automation and Mechatronics, Singapore, Singapore, 1 - 03 December 2004, pp.330-335

- **3D cognitive map construction by active stereo vision in a virtual world**

ULUSOY PARNAS İ., HALICI U., LEBLEBİCİOĞLU M. K.

2004 19th International Symposium on Computer and Information Sciences (ISCIS 2004), Turkey, 27 - 29 October 2004, pp.400-409

- **Optimal behaviour inspired fuzzy controller design for a three joint robot leg in protraction phase**

Erden M., Lelebicioglu K.

IEEE 12th Signal Processing and Communications Applications Conference, Kusadasi, Turkey, 28 - 30 April 2004, pp.466-469

- **A sliding mode controller to minimize SRM torque ripple and noise**

Bizkevelci E., Lelebicioglu K., Ertan H.

IEEE International Symposium on Industrial Electronics, Ajaccio, France, 4 - 07 May 2004, pp.1333-1338

- **Multiple sequence alignments using hidden Markov Model**

Ergezer H., Lelebicioglu G.

IEEE 12th Signal Processing and Communications Applications Conference, Kusadasi, Turkey, 28 - 30 April 2004, pp.434-437

- **Identification of parameters of an induction motor from field solution**

Ertan H., Lelebicioglu K., Avenoglu B., Ercan B.

6th International Conference on Electrical Machines and Systems, Beijing, China, 9 - 11 November 2003

- **Sleep spindles detection using autoregressive modeling**

GORUR D., HALICI U., AYDIN H., GUCLU O., ÖZGEN F., LEBLEBİCİOĞLU M. K.

2003 International Conference on Artificial Neural Networks (ICANN 2003), Turkey, 26 - 29 June 2003

- **Sleep spindles detecton using short time fourier transform and neural networks**

GORUR D., Halici U., AYDIN H., ONGUN G., ÖZGEN F., Lelebicioglu K.

International Joint Conference on Neural Networks (IJCNN 02), Hawaii, United States Of America, 12 - 17 May 2002, pp.1631-1636

- **An automated differential blood count system**

Ongun G., Halici U., Lelebicioglu K., Atalay V., Beksac M., Beksac S.

23rd Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society, İstanbul, Turkey, 25 - 28 October 2001, vol.23, pp.2583-2586

- **Feature extraction and classification of blood cells for an automated differential blood count system**  
ONGUN G., Halici U., Leblebicioğlu K., Atalay V., Beksac M., Beksac S.  
International Joint Conference on Neural Networks (IJCNN 01), Washington, Kiribati, 15 - 19 July 2001, pp.2461-2466
- **Automated contour detection in blood cell images by an efficient snake algorithm**  
ONGUN G., Halici U., Leblebicioğlu K., Atalay V., Beksac S., BEKSAÇ M.  
Proceedings of the 3th World Congress of Nonlinear Analysts (WCNA 2000), Catania, Italy, 19 - 26 July 2000, vol.47, pp.5839-5847
- **Pattern recognition in bistable networks**  
VLADIMIR C., HALICI U., LEBLEBİCİOĞLU M. K.  
1999 SPIE APPLICATIONS AND SCIENCE OF COMPUTATIONAL INTELLIGENCE II, Orlando, United States Of America, 5 - 08 April 1999, vol.3722, pp.457-463
- **An automated blood cell analysis and classification system**  
Ongun G., Halici U., Leblebicioğlu K., Atalay V., Erkmen A., Beksac S., Beksac M., Erol A.  
13th International Symposium on Computer and Information Sciences (ISCIS 98), BELEK ANTALYA, Turkey, 26 - 28 October 1998, vol.53, pp.222-227
- **Nonlinear model predictive controller using neural network**  
Karahan O., Ozgen C., Halici U., Leblebicioğlu K.  
1997 IEEE International Conference on Neural Networks (ICNN 97), Texas, United States Of America, 9 - 12 June 1997, pp.690-693
- **SPECTRAL NORM IN THE CONVERGENCE OF THE FAST DECOUPLED LOAD FLOW**  
SEVAIOĞLU O., LEBLEBİCİOĞLU K.  
3RD AFRICON CONF ( AFRICON 92 ), EZULWINI VALLEY, Swaziland, 22 - 24 September 1992, pp.450-453
- **A NEW DESCENT ALGORITHM FOR ELECTRICAL-IMPEDANCE TOMOGRAPHY**  
KUZUOĞLU M., LEBLEBİCİOĞLU K., GENCER N., İDER Y.  
14TH ANNUAL INTERNATIONAL CONF OF THE IEEE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY, Paris, France, 29 October - 01 November 1992, vol.14, pp.1684-1685

## Supported Projects

Kurtuluş D. F. , Tekinalp O., Kayran A., Yaman Y., Gürses E., Çöker D., Yavrucuk İ., Leblebicioğlu M. K. , Konukseven E. İ. , Aksel M. H. , et al., Company, ODTÜ-TAİ VLA projesi, 2017 - 2020

LEBLEBİCİOĞLU M. K. , Project Supported by Other Private Institutions, ALPAGU İNSANSIZ HAVA ARACI PROJESİ, 2016 - 2017

LEBLEBİCİOĞLU M. K. , TUBITAK Project, Yapay Zeka ve Görüntü İşleme Tabanlı Kan ve İdrar Hücreleri Kombine Sayım Cihazı, 2015 - 2017

LEBLEBİCİOĞLU M. K. , TUBITAK Project, Görev Amaçlı Döner Kanat İHA Tasarımı, 2014 - 2016

LEBLEBİCİOĞLU M. K. , Industrial Thesis Project, ATEŞKES Akustik Algılayıcı Ağlarının Optimizasyonu ile Ateşli Silah Konumunun Tespit Edilmesi, 2014 - 2016

LEBLEBİCİOĞLU M. K. , TUBITAK Project, İnsansız Sualtı Araçları İçin Yol Planlama Ve Sualtı Optik Görüntülerin Akustik Görüntüleme Desteği İle İyileştirilmesi, 2012 - 2015

## Activities in Scientific Journals

Turkish Journal Of Electrical Engineering And Computer Sciences, Committee Member, 2014 - Continues

## Invited Congress and Symposium Activities

ELECO 2018 Elektrik-Elektronik ve Biyomedikal Mühendisliği Konferansı, Invited Speaker, Bursa, Turkey, 2018

TOK 2018 Otomatik Kontrol Ulusal Kongresi, Working Group, Kayseri, Turkey, 2018

ICAME'18: International Conference on Applied Mathematics in Engineering, Invited Speaker, Balıkesir, Turkey, 2018

ICEEE 2018 5'th International Conference on Electrical and Electronics Engineering , Invited Speaker, İstanbul, Turkey, 2018

## **Citations**

Total Citations (WOS):689

h-index (WOS):15