

Prof. MURAT EFE

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-2995-2020

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Education Information

Doctorate, The University of Sussex, School Of Engineering, Control Engineering, England 1995 - 1998

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), Turkey 1993 - 1995

Undergraduate, Ankara University, Mühendislik Fakültesi, Elektronik Mühendisliği Pr., Turkey 1989 - 1993

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Adaptive Approaches to Manoeuvring Target Tracking, The University of Sussex, School Of Engineering, 1998

Postgraduate, Laserle aydınlatılmış hedef konumu belirleme ve hedefe kilitleme, Ankara University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), 1994

Research Areas

Academic Titles / Tasks

Professor, Ankara University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2017 - Continues

Associate Professor, Ankara University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2012 - 2017

Assistant Professor, Ankara University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2001 - 2012

Lecturer PhD, Ecole Polytechnique Federale De Lausanne, Institut D'Automatique, 1999 - 2001

Research Assistant, Ankara University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1993 - 2001

Advising Theses

EFE M., Ultra Geniş Bant Sensörü Kullanılarak Kapalı Alanda Nesne Konumlandırma, Postgraduate, G.KARAÇOBAN(Student), 2021

EFE M., Low probability intercept (LPI) radar signal detection and classification in multi signal environment, Doctorate, A.ORDUYILMAZ(Student), 2020

EFE M., Çoklu işaret ortamında düşük olasılıklı algılama (DOA) radarı işareti tanımlanması ve sınıflandırılması / Low probability intercept (LPI) radar signal detection and classification in multi signal environment, Doctorate, A.Orduyilmaz(Student), 2020

EFE M., ÖZBEK L., DUAL KALMAN FILTER APPROACH FOR SPEECH ENHANCEMENT FROM NOISY OBSERVATIONS, Postgraduate, H.ANKIŞHAN(Student), 2019

EFE M., Çoklu sensör çoklu hedef takibi için polinom zamanlı algoritma geliştirilmesi, Doctorate, A.ÖNDER(Student), 2015

EFE M., Küme modlu fiber yükselteçlerin elektronik kontrolü, Postgraduate, Y.BURAK(Student), 2014

EFE M., Aktif gürültü giderimi algoritmalarının analizi, gerçekleştirilmesi ve karşılaştırılması, Postgraduate, S.KEREM(Student), 2013

EFE M., Hedef takibi uygulamalarında tespit öncesi izleme yöntemi için yeni yaklaşımlar geliştirilmesi, Doctorate, S.TUĞAÇ(Student), 2013

EFE M., Multistatik hedef takibi başarımlarında gözlenen bilgi matrisi kullanımı, Doctorate, G.SOYSAL(Student), 2012

EFE M., Multistatik hedef takibi başarımlarında gözlenen bilgi matrisi kullanımı, G.SOYSAL(Student), 2012

EFE M., Kızılötesi esaslı aktif algılama kullanılarak ışık olmayan ortamlarda ICCD ile görüntü alınması ve analitik ICCD MTF'in çıkarılması, Doctorate, N.GÜL(Student), 2010

EFE M., Kalman filtrelemesinde durum kısıtları ve topografik durum kısıtlarının çoklu hedef takibinde uygulanması, Postgraduate, A.ÖNDER(Student), 2008

EFE M., Füze döngüde donanım testlerinde kullanılacak elektro-optik ölçüm ve test sisteminin geliştirilmesi, Postgraduate, M.ŞAHİN(Student), 2008

EFE M., Gemi savunma sistemlerinde tehdit değerlendirme ve silah atama uygulamaları, Postgraduate, K.KALCI(Student), 2008

EFE M., Homojen olmayan Poisson süreç modeli kullanarak hedef tespiti, Doctorate, A.YILDIRIM(Student), 2007

EFE M., Geri beslemeli doğrusallaştırma metoduna dayalı doğrusal olmayan kontrol tasarımı, Doctorate, T.ADİGÜZEL(Student), 2007

ÖZBEK L., EFE M., Gürültülü ses sinyali iyileştirilmesine ikili kalman filtre yaklaşımı, Postgraduate, H.ANKIŞHAN(Student), 2007

EFE M., Bir seyrüsefer sisteminin modellenmesi ve simülasyonu, Postgraduate, Y.ERSOY(Student), 2006

EFE M., Çoklu ortam uygulamaları için servis kalitesinin gerçek zaman protokoli ile kontrolü, Postgraduate, K.İŞİK(Student), 2006

EFE M., Çoklu ortam uygulamaları için servis kalitesinin gerçek zaman protokolü ile kontrolü, K.İŞİK(Student), 2006

EFE M., HEDEF TAKİBİNDE ADAPTİF YAKLAŞIMLARLA İZ YÖNETİMİ, G.SOYSAL(Student), 2005

EFE M., Çoklu hedef takibinde adaptif yaklaşımlarla iz yönetimi, Postgraduate, G.SOYSAL(Student), 2005

EFE M., Parazit yankılı ortamlarda çalışan çoklu hedef takip algoritmalarının analizi ve karşılaştırılması, Postgraduate, M.YAMAN(Student), 2004

EFE M., Parazit yankılı ortamda manevra yapan birden çok hedefin takibi için olasılıksal bir takip algoritması geliştirilmesi, Doctorate, A.GÜNGÖR(Student), 2004

EFE M., Görüntü yoğunlaştırıcı tüplü CCD cihazının modülasyon transfer fonksiyonunun belirlenmesi ve sistemin alt parametrelerinin hesaplanması, Postgraduate, N.GÜL(Student), 2003

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Adaptive Beam Scheduling for Cooperative Phased Array Radars With High-Precision Pencil-Beam**
Deng A., Pektas F., Kumru F., Tharmarasa R., EFE M., Kirubarajan T.
IEEE Transactions on Aerospace and Electronic Systems, vol.59, no.6, pp.8475-8488, 2023 (SCI-Expanded)
- II. **Machine learning-based radar waveform classification for cognitive EW**
Orduyilmaz A., Yar E., Kocamis M. B., Serin M., EFE M.
SIGNAL IMAGE AND VIDEO PROCESSING, vol.15, no.8, pp.1653-1662, 2021 (SCI-Expanded)
- III. **Multiple Target Tracking With Unresolved Measurements**

- Angle R. B., Streit R. L., EFE M.
IEEE SIGNAL PROCESSING LETTERS, vol.28, pp.319-323, 2021 (SCI-Expanded)
- IV. **A Low Computational Complexity JPDA Filter With Superposition**
Angle R. B., Streit R. L., EFE M.
IEEE SIGNAL PROCESSING LETTERS, vol.28, pp.1031-1035, 2021 (SCI-Expanded)
- V. **Robust Weighted l(1,2) Norm Filtering in Passive Radar Systems**
Satar B., SOYSAL G., Jiang X., EFE M., Kirubarajan T.
SENSORS, vol.20, no.11, 2020 (SCI-Expanded)
- VI. **3-D tracking of air targets using a single 2-D radar**
Li S., Cheng Y., Tharmarasa R., EFE M., Jessemi-Zargami R., Brookes D., Kirubarajan T.
SIGNAL PROCESSING, vol.166, 2020 (SCI-Expanded)
- VII. **GP-PDA Filter for Extended Target Tracking With Measurement Origin Uncertainty**
Guo Y., Li Y., Tharmarasa R., Kirubarajan T., EFE M., Sarikaya B.
IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, vol.55, no.4, pp.1725-1742, 2019 (SCI-Expanded)
- VIII. **Reduced Palm Intensity for Track Extraction**
Bozdogan A. O., Streit R., EFE M.
IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, vol.52, no.5, pp.2376-2396, 2016 (SCI-Expanded)
- IX. **A Novel Joint Multitarget Estimator for Multi-Bernoulli Models**
Baser E., Kirubarajan T., EFE M., Balaji B.
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.64, no.19, pp.5038-5051, 2016 (SCI-Expanded)
- X. **Improved multi-target multi-Bernoulli filter with modelling of spurious targets**
Baser E., Kirubarajan T., EFE M., Balaji B.
IET RADAR SONAR AND NAVIGATION, vol.10, no.2, pp.285-298, 2016 (SCI-Expanded)
- XI. **A Joint Multitarget Estimator for the Joint Target Detection and Tracking Filter**
Baser E., McDonald M., Kirubarajan T., EFE M.
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.63, no.15, pp.3857-3871, 2015 (SCI-Expanded)
- XII. **Continuous Wavelet Transform and Hidden Markov Model Based Target Detection**
Tugac S., EFE M.
RADIOENGINEERING, vol.23, no.1, pp.96-103, 2014 (SCI-Expanded)
- XIII. **Utilization of OIM for Measurement Selection in Multistatic Target Tracking**
SOYSAL G., EFE M., Streit R. L.
RADIOENGINEERING, vol.23, no.1, pp.111-120, 2014 (SCI-Expanded)
- XIV. **1 mJ pulse bursts from a Yb-doped fiber amplifier**
Kalaycioglu H., Eldeniz Y., Akcaalan O., Yavas S., Gürel K., EFE M., Ilday F.
Optics Letters, vol.37, no.13, pp.2586-2588, 2012 (SCI-Expanded)
- XV. **Improved assignment with ant colony optimization for multi-target tracking**
Bozdogan A. O., EFE M.
Expert Systems with Applications, vol.38, no.8, pp.9172-9178, 2011 (SCI-Expanded)
- XVI. **Performance analysis of swarm optimization approaches for the generalized assignment problem in multi-target tracking applications**
Bozdoğan A. Ö., YILMAZ A. E., EFE M.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.18, no.6, pp.1059-1076, 2010 (SCI-Expanded)
- XVII. **ONLINE ESTIMATION OF CAPILLARY PERMEABILITY AND CONTRAST AGENT CONCENTRATION IN RAT TUMORS**
Özbek L., Efe M., Köksal Babacan E., Yazihan N.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.39, no.2, pp.283-293, 2010 (SCI-Expanded)
- XVIII. **Adaptive Bit Rate Video Streaming Through an RF/Free Space Optical Laser Link**
AKBULUT A., Ilgin H. A., EFE M.
RADIOENGINEERING, vol.19, no.2, pp.271-277, 2010 (SCI-Expanded)

- XIX. **Kalman Filter Aided Cooperative Optical Beam Tracking**
SOYSAL G., EFE M.
RADIOENGINEERING, vol.19, no.2, pp.242-248, 2010 (SCI-Expanded)
- XX. **Stochastic stability of the discrete-time constrained extended Kalman filter**
ÖZBEK L., KÖKSAL BABACAN E., EFE M.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.18, no.2, pp.211-223, 2010 (SCI-Expanded)
- XXI. **Decomposition of motor unit firing pattern using Kalman filtering**
ÖZBEK L., EFE M., CENGİZ B., TEMUÇİN Ç. M., Öztürk F.
Gazi University Journal of Science, vol.23, no.2, pp.155-162, 2010 (SCI-Expanded)
- XXII. **Performance evaluation of track association and maintenance for a MFPAR with doppler velocity measurements**
Kural F., ARIKAN F., Arıkan O., EFE M.
Progress in Electromagnetics Research, vol.108, pp.249-275, 2010 (SCI-Expanded)
- XXIII. **Improved analytical modulation transfer function for image intensified charge coupled devices**
Gül N., EFE M.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.18, no.1, pp.71-81, 2010 (SCI-Expanded)
- XXIV. **Stability of the Extended Kalman Filter When the States are Constrained**
KÖKSAL BABACAN E., ÖZBEK L., EFE M.
IEEE TRANSACTIONS ON AUTOMATIC CONTROL, vol.53, no.11, pp.2707-2711, 2008 (SCI-Expanded)
- XXV. **An alternative model for target position estimation in radar processors**
Yildirim A., Efe M., Ozdemir A. K.
IEEE SIGNAL PROCESSING LETTERS, vol.14, no.8, pp.549-552, 2007 (SCI-Expanded)
- XXVI. **Probabilistic multi-hypothesis tracker: addressing some basic issues**
Efe M., Ruan Y., Willett P.
IEE PROCEEDINGS-RADAR SONAR AND NAVIGATION, vol.151, no.4, pp.189-196, 2004 (SCI-Expanded)
- XXVII. **An adaptive extended Kalman filter with application to compartment models**
Ozbek L., Efe M.
COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, vol.33, no.1, pp.145-158, 2004 (SCI-Expanded)
- XXVIII. **Reduction of ambient light effect on ecartometry for a laser-illuminated target**
Ozek F., Efe M.
MEASUREMENT SCIENCE AND TECHNOLOGY, vol.9, no.9, pp.1638-1640, 1998 (SCI-Expanded)

Articles Published in Other Journals

- I. **Artificial Intelligence, Machine Learning and Medical Applications**
EFE M., CANGIR A. K.
Ankara Üniversitesi Tıp Fakültesi Mecmuası, vol.75, no.1, pp.1-6, 2023 (Peer-Reviewed Journal)
- II. **On the spooky action at a distance in the CPHD filter**
BOZDOĞAN A. Ö., EFE M.
Communications Faculty Of Science University of Ankara, vol.57, no.2, pp.1-11, 2015 (Peer-Reviewed Journal)
- III. **Welcome message**
EFE M., Streit R.
Proceedings of the 16th International Conference on Information Fusion, FUSION 2013, 2013 (Scopus)
- IV. **Radar target detection using hidden markov models**
Tugac S., EFE M.
Progress In Electromagnetics Research B, no.44, pp.241-259, 2012 (Scopus)
- V. **Modelling evaporation duct effect in radar simulation**
Basbilen K., Efe M., Zorba O.
International Conference on Harbour, Maritime and Multimodal Logistics Modelling and Simulation, vol.1, pp.80-

85, 2011 (Scopus)

- VI. **Performance evaluation of the sequential track initiation schemes with 3D position and doppler velocity measurements**
Kural F., ARIKAN F., Arikan O., EFE M.
Progress In Electromagnetics Research B, no.18, pp.121-148, 2009 (Scopus)
- VII. **Fading Kalman Filter For Manoeuvring Target Tracking**
EFE M., ÖZBEK L.
Journal of the Turkish Statistical Association, vol.2, no.3, pp.193-206, 1999 (Peer-Reviewed Journal)
- VIII. **Maneuvering target tracking with an adaptive Kalman filter**
EFE M., Atherton D. P.
Proceedings of the IEEE Conference on Decision and Control, vol.1, pp.737-742, 1998 (Scopus)
- IX. **Adaptive Kalman filters for manoeuvring target tracking**
EFE M., Atherton D., Bather J.
IEE Colloquium (Digest), no.282, 1998 (Scopus)
- X. **Adaptive beam pointing control of a phased array radar using the AIMM algorithm**
EFE M., Atherton D.
IEE Colloquium (Digest), no.253, 1996 (Scopus)

Books & Book Chapters

- I. **Analytic Combinatorics for Multiple Object Tracking**
STREIT R., ANGLE R. B., EFE M.
Springer Nature, 2020
- II. **An Adaptive Filter for Tracking Targets in Clutter**
EFE M.
in: Multisensor Fusion, Hyder Anthony, Shahbasian Elisa, Waltz Edward, Editor, Springer, pp.573-580, 2002
- III. **Online Estimation of the State and Parameters in Compartmental Models Using Extended Kalman Filter**
ÖZBEK L., EFE M.
in: Nonlinear Dynamic in the Life and Social Science, william sullis-irina trofimova, Editor, NATO Science Series Vol 320 IOS Press, pp.262-271, 2001
- IV. **Online Estimation of the State and Parameters in Compartmental Models Using Extended Kalman Filter**
ÖZBEK L., EFE M.
in: Nonlinear Dynamics in the Life and Social Sciences, Sulis William, Trofimova Irina, Editor, IOS Press , pp.262-274, 2001

Refereed Congress / Symposium Publications in Proceedings

- I. **Design and Implementation of a Lightweight SPI Master IP for Low Cost FPGAs**
Aykenar M. B., SOYSAL G., EFE M.
28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 October 2020
- II. **A Multiple Model Approach for Estimating Roll Rate of a Very Fast Spinning Artillery Rocket**
Aykenar M. B., Boz I. C., SOYSAL G., EFE M.
23rd International Conference on Information Fusion (FUSION), ELECTR NETWORK, 6 - 09 July 2020, pp.42-48
- III. **Ultra Wideband Spectrum Sensing for Cognitive Electronic Warfare Applications**
Orduyilmaz A., Ispir M., Serin M., EFE M.
IEEE Radar Conference (RadarConf), Massachusetts, United States Of America, 22 - 26 April 2019

- IV. **Track Based UAV Classification Using Surveillance Radars**
Sarikaya T. B., Yumus D., EFE M., SOYSAL G., Kirubarajan T.
22nd International Conference on Information Fusion (FUSION), Ottawa, Canada, 2 - 05 July 2019
- V. **A Complete Framework of Radar Pulse Detection and Modulation Classification for Cognitive EW**
Yar E., Kocamis M. B., Orduyilmaz A., Serin M., EFE M.
27th European Signal Processing Conference (EUSIPCO), A-Coruna, Spain, 2 - 06 September 2019
- VI. **A Do It Yourself Mobile Communications Signal Based Passive Radar**
Satar B., Ersoy Y., SOYSAL G., EFE M.
21st International Conference on Information Fusion (FUSION), Cambridge, Canada, 10 - 13 July 2018, pp.492-499
- VII. **Ship Classification with High Range Resolution Radar**
Ergun O., Sarikaya T. B., SOYSAL G., EFE M.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018
- VIII. **Havaalanları için Hava Trafik Kontrolünde İkincil Gözetim Radarı ve Çoklu Laterasyon Yöntemlerinin Performanslarının Karşılaştırılması**
Ergün Ö., Ersoy Y., SOYSAL G., EFE M.
7. Ulusal Savunma Uygulamaları Modelleme ve Simülasyon Konferansı, Turkey, 21 - 23 October 2017
- IX. **Sea-land classification using radar clutter statistics for shore - Based surveillance radars**
Sarikaya T., SOYSAL G., EFE M., Sobaci E., Kirubarajan T.
2017 International Conference on Radar Systems, Radar 2017, Belfast, United Kingdom, 23 - 26 October 2017, vol.2017
- X. **Feasibility of UMTS Signal for Passive Radar**
SOYSAL G., Satar B., EFE M., Ersoy Y.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- XI. **Real time intrapulse modulation extraction for electronic support systems ELEKTRONİK DESTEK SİSTEMLERİNDE GERÇEK ZAMANLI DARBEİÇİ MODULASYON ÇIKARIMI**
Kara G., Orduyilmaz A., Serin M., Yildirim A., EFE M.
24th Signal Processing and Communication Application Conference, SIU 2016, Zonguldak, Turkey, 16 - 19 May 2016, pp.2029-2032
- XII. **The Notched Probabilistic Data Association Filter**
Bozdogan A. O., EFE M.
19th International Conference on Information Fusion (FUSION), Heidelberg, Germany, 5 - 08 July 2016, pp.1103-1110
- XIII. **REAL TIME INTRAPULSE MODULATION EXTRACTION FOR ELECTRONIC SUPPORT SYSTEMS**
Kara G., Orduyilmaz A., Serin M., Yildirim A., EFE M.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.2029-2032
- XIV. **Real-Time Pulse Compression Radar Waveform Generation and Digital Matched Filtering**
Orduyilmaz A., Kara G., Serin M., Yildirim A., Gurbuz A. C., EFE M.
IEEE International Radar Conference (RadarCon), Darlington, United Kingdom, 10 - 15 May 2015, pp.426-431
- XV. **FPGA-BASED MATCH FILTER IMPLEMENTATION IN FREQUENCY DOMAIN USING AN OVERLAP-ADD METHOD**
Orduyilmaz A., Kara G., Serin M., Yildirim A., EFE M.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.1279-1282
- XVI. **A New Heuristic for Multisensor PHD Filter**
Bozdogan A. O., EFE M., Streit R.
17th International Conference on Information Fusion (FUSION), Salamanca, Mexico, 7 - 10 July 2014
- XVII. **Parallel CUDA implementation of the desirability-based scalarization approach for multi-objective optimization problems**
Akca E., Altınöz Ö. T., Emel S. U., YILMAZ A. E., EFE M., Yaylagul T.
Student Workshop on Bioinspired Optimization Methods and their Applications, BIOMA 2014, Ljubljana, Slovenia,

13 September 2014, pp.93-104

- XVIII. **Terrain Aided Flight Solution: TerraFlite(TM)**
SOYSAL G., Ersoy Y., Efe M., Kurtoglu H., Cak S.
27th International Technical Meeting of the Satellite-Division of the Institute-of-Navigation (ION GNSS), Tama, Japan, 8 - 12 September 2014, pp.2183-2190
- XIX. **Terrain aided flight solution: TerraFlite™**
SOYSAL G., Ersoy Y., EFE M., Kurtoglu H., Cak S.
27th International Technical Meeting of the Satellite Division of the Institute of Navigation, ION GNSS 2014, Florida, United States Of America, 8 - 12 September 2014, vol.3, pp.2183-2190
- XX. **Improved MeMber filter with modeling of spurious targets**
Baser E., Kirubarajan T., EFE M.
16th International Conference of Information Fusion, FUSION 2013, İstanbul, Turkey, 9 - 12 July 2013, pp.813-819
- XXI. **Reduced palm intensity for track extraction**
Bozdogan A. O., EFE M., Streit R.
16th International Conference of Information Fusion, FUSION 2013, İstanbul, Turkey, 9 - 12 July 2013, pp.1243-1250
- XXII. **PERFORMANCE OF THE INTERACTING MULTIPLE MODEL FILTER UNDER HIGH MEASUREMENT RATES**
SOYSAL G., EFE M., Bayri A., Camlica S., Yildirim B.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013
- XXIII. **A novel auxiliary particle PHD filter**
Baser E., EFE M.
15th International Conference on Information Fusion, FUSION 2012, Singapore, Singapore, 7 - 12 September 2012, pp.165-172
- XXIV. **Nature inspired solutions to the distributed detection system optimization problem**
Ince Ö., EFE M.
International Symposium on INnovations in Intelligent SysTems and Applications, INISTA 2012, Trabzon, Turkey, 2 - 04 July 2012
- XXV. **Enhancement of multiple hypothesis tracking algorithm with C4.5 algorithm C4.5 siniflandirma algoritmasi ile çoklu hipotez hedef izleme algoritmasinin iyileştiri lmesi**
Ersoy Y., EFE M., Nakiboğlu B.
2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Mugla, Turkey, 18 - 20 April 2012
- XXVI. **Comparison of Different Ant Colony Optimization Algorithm Approaches in Asymmetric Assignment Problems**
Sel C., YILMAZ A. E., EFE M., Yaylagul T., Emel S. U.
9th International Conference on Electronics Computer and Computation (ICECCO 2012), Ankara, Turkey, 1 - 03 November 2012, pp.150-153
- XXVII. **Data fusion in a multistatic radar network using covariance intersection and particle filtering**
SOYSAL G., EFE M.
14th International Conference on Information Fusion, Fusion 2011, Chicago, IL, United States Of America, 5 - 08 July 2011
- XXVIII. **Adaptive neuro fuzzy supported Kalman filter approach for simultaneous localization and mapping Eşzamanli konum belirleme ve harita oluşturmada ayarlanabilir bulanik mantik destekli Kalman filtre yaklaşımi**
Ankishan H., EFE M.
2011 IEEE 19th Signal Processing and Communications Applications Conference, SIU 2011, Antalya, Turkey, 20 - 22 April 2011, pp.266-270
- XXIX. **Distributed detection by Particle Swarm Optimization Parçacik sürü Optimizasyonu ile Dağıtik Tespit**
Ince Ö., EFE M., Arikan O.
2011 IEEE 19th Signal Processing and Communications Applications Conference, SIU 2011, Antalya, Turkey, 20 - 22

April 2011, pp.586-589

- XXX. **Variable bit rate video transmission through RF/FSO link RF/SOO laser link üzerinden deęişken bit hızlı video iletimi**
AKBULUT A., ILGIN H. A., EFE M.
2011 IEEE 19th Signal Processing and Communications Applications Conference, SIU 2011, Antalya, Turkey, 20 - 22 April 2011, pp.315-318
- XXXI. **Adaptive neuro-fuzzy supported Kalman filter approach for simultaneous localization and mapping**
ANKIŞHAN H., EFE M.
Signal Processing and Communications Applications Conference, Turkey, 20 - 22 April 2011
- XXXII. **Modelling evaporation duct effect in radar simulation**
Basbilen K., EFE M., Zorba O.
13th International Conference on Harbor, Maritime and Multimodal Logistics Modeling and Simulation, HMS 2011, Held at the International Mediterranean and Latin American Modeling Multiconference, I3M 2011, Rome, Italy, 12 - 14 September 2011, pp.80-85
- XXXIII. **Hidden Markov Model based target detection**
Tuęaç S., EFE M.
13th Conference on Information Fusion, Fusion 2010, Edinburgh, United Kingdom, 26 - 29 July 2010
- XXXIV. **Hidden Markov based target detection for track-before-detect Tespit öncesi izleme için saklı Markov model tabanlı hedef tespiti**
Tuęaç S., EFE M.
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Turkey, 22 - 24 April 2010, pp.554-557
- XXXV. **Dual kalman filter approach for colored noise corrupted speech enhancement Renkli gürültülü ses sinyali iyileş tirlmesine ikili kalman filtre yaklaşımı**
Ankişhan H., EFE M., ÖZBEK L.
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Turkey, 22 - 24 April 2010, pp.633-636
- XXXVI. **Performance of histogram PMHT algorithm for underwater target tracking Sualtı hedef takibinde histogram PMHT hedef takip algoritması başarımları**
Ceylan S., EFE M.
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Turkey, 22 - 24 April 2010, pp.871-873
- XXXVII. **Analysis of observed information in multistatic radar network Multistatik radar ağında gözlenen bilginin incelenmesi**
SOYSAL G., EFE M.
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Turkey, 22 - 24 April 2010, pp.808-811
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