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Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), Türkiye 2002 - 2006

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), Türkiye 1999 - 2002

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 1994 - 1999

Yaptığı Tezler

Doktora, Improved state estimation for jump Markov linear systems, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), 2006

Yüksek Lisans, Evaluation of two new methodologies for maneuvering target tracking, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), 2002

Araştırma Alanları

Elektrik-Elektronik Mühendisliği, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik Ve Elektronik Mühendisliği Bölümü, 2019 - Devam Ediyor

Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2014 - 2019

Yrd.Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2012 - 2016

Yrd.Doç.Dr., Linköpings Universitet (Linköping University), Engineering, Department Of Electrical Engineering, 2009 - 2012

Öğretim Görevlisi Dr., Linköpings Universitet (Linköping University), Engineering, Department Of Electrical Engineering, 2007 - 2009

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1999 - 2006

Yönetilen Tezler

ORGUNER U., Interacting multiple model probabilistic data association filter using random matrices for extended target

tracking, Yüksek Lisans, E.ÖZPAK(Öğrenci), 2018

ORGUNER U., Satellite orbit estimation using kalman filters, Yüksek Lisans, M.İPEK(Öğrenci), 2017

ORGUNER U., Target tracking and sensor placement for doppler-only measurements, Yüksek Lisans, S.AYAZGÖK(Öğrenci), 2015

ORGUNER U., Parametric and posterior Cramér-Rao lower bounds for extended target tracking in a random matrix framework, Yüksek Lisans, E.SARITAŞ(Öğrenci), 2015

Orguner U., Demirekler M., Fusion of target density and intensity functions based on Chernoff fusion using sigma points, Doktora, M.GÜNAY(Öğrenci), 2015

YILMAZ A. Ö. , ORGUNER U., On localization and tracking using received signal strength measurements, Yüksek Lisans, A.YILMAZ(Öğrenci), 2015

ORGUNER U., Dynamic quantization for track fusion under communication constraints, Yüksek Lisans, G.GÖK(Öğrenci), 2015

YILMAZ A. Ö. , ORGUNER U., INDOOR LOCALIZATION AND TRACKING BASED ON RSSI AND ACCELEROMETER MEASUREMENTS, Yüksek Lisans, M.DOĞAN(Öğrenci), 2015

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- **Performance limits for the amplitude estimation of power system harmonics & interharmonics**
Altıntasi C., ORGUNER U., Salor O.
IET GENERATION TRANSMISSION & DISTRIBUTION, cilt.14, ss.4108-4121, 2020 (SCI İndekslerine Giren Dergi)
- **Chernoff Fusion of Gaussian Mixtures Based on Sigma-Point Approximation**
Gunay M., ORGUNER U., DEMİREKLER M.
IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, cilt.52, ss.2731-2746, 2016 (SCI İndekslerine Giren Dergi)
- **Approximate Bayesian Smoothing with Unknown Process and Measurement Noise Covariances**
Ardehshiri T., Ozkan E., ORGUNER U., Gustafsson F.
IEEE SIGNAL PROCESSING LETTERS, cilt.22, ss.2450-2454, 2015 (SCI İndekslerine Giren Dergi)
- **Greedy Reduction Algorithms for Mixtures of Exponential Family**
Ardehshiri T., Granstrom K., Ozkan E., ORGUNER U.
IEEE SIGNAL PROCESSING LETTERS, cilt.22, ss.676-680, 2015 (SCI İndekslerine Giren Dergi)
- **A fine-resolution frequency estimator using an arbitrary number of DFT coefficients**
ORGUNER U., CANDAN Ç.
SIGNAL PROCESSING, cilt.105, ss.17-21, 2014 (SCI İndekslerine Giren Dergi)
- **Random Set Methods Estimation of Multiple Extended Objects**
Granstrom K., Lundquist C., Gustafsson F., Orguner U.
IEEE ROBOTICS & AUTOMATION MAGAZINE, cilt.21, ss.73-82, 2014 (SCI İndekslerine Giren Dergi)
- **The Marginal Enumeration Bayesian Cramer-Rao Bound for Jump Markov Systems**
FRITSCHÉ C., ORGUNER U., Svensson L., Gustafsson F.
IEEE SIGNAL PROCESSING LETTERS, cilt.21, ss.464-468, 2014 (SCI İndekslerine Giren Dergi)
- **Multi-target tracking with PHD filter using Doppler-only measurements**
Guldogan M. B. , Lindgren D., Gustafsson F., Habberstad H., ORGUNER U.
DIGITAL SIGNAL PROCESSING, cilt.27, ss.1-11, 2014 (SCI İndekslerine Giren Dergi)
- **New Prediction for Extended Targets With Random Matrices**
Granstrom K., ORGUNER U.
IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, cilt.50, ss.1577-1589, 2014 (SCI İndekslerine Giren Dergi)
- **The moment function for the ratio of correlated generalized gamma variables**
CANDAN Ç., Orguner U.
STATISTICS & PROBABILITY LETTERS, cilt.83, ss.2353-2356, 2013 (SCI İndekslerine Giren Dergi)
- **An Extended Target CPHD Filter and a Gamma Gaussian Inverse Wishart Implementation**

Lundquist C., Granstrom K., ORGUNER U.

IEEE JOURNAL OF SELECTED TOPICS IN SIGNAL PROCESSING, cilt.7, ss.472-483, 2013 (SCI İndekslerine Giren Dergi)

● **On Spawning and Combination of Extended/Group Targets Modeled With Random Matrices**

Granstrom K., ORGUNER U.

IEEE TRANSACTIONS ON SIGNAL PROCESSING, cilt.61, 2013 (SCI İndekslerine Giren Dergi)

● **A PHD Filter for Tracking Multiple Extended Targets Using Random Matrices**

Granstrom K., Orguner U.

IEEE TRANSACTIONS ON SIGNAL PROCESSING, cilt.60, ss.5657-5671, 2012 (SCI İndekslerine Giren Dergi)

● **Extended Target Tracking using a Gaussian-Mixture PHD Filter**

Granstrom K., Lundquist C., Orguner O.

IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, cilt.48, ss.3268-3286, 2012 (SCI İndekslerine Giren Dergi)

● **Road Target Search and Tracking with Gimballed Vision Sensor on an Unmanned Aerial Vehicle**

Skoglar P., Orguner U., Tornqvist D., Gustafsson F.

REMOTE SENSING, cilt.4, ss.2076-2111, 2012 (SCI İndekslerine Giren Dergi)

● **A Variational Measurement Update for Extended Target Tracking With Random Matrices**

Orguner U.

IEEE TRANSACTIONS ON SIGNAL PROCESSING, cilt.60, ss.3827-3834, 2012 (SCI İndekslerine Giren Dergi)

● **Pedestrian tracking with an infrared sensor using road network information**

Skoglar P., Orguner U., Tornqvist D., Gustafsson F.

EURASIP JOURNAL ON ADVANCES IN SIGNAL PROCESSING, 2012 (SCI İndekslerine Giren Dergi)

● **Target Tracking With Particle Filters Under Signal Propagation Delays**

Orguner U., Gustafsson F.

IEEE TRANSACTIONS ON SIGNAL PROCESSING, cilt.59, ss.2485-2495, 2011 (SCI İndekslerine Giren Dergi)

● **A Simple Real-Time Fault Signature Monitoring Tool for Motor-Drive-Embedded Fault Diagnosis Systems**

Akin B., Choi S., Orguner U., Toliyat H. A.

IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, cilt.58, ss.1990-2001, 2011 (SCI İndekslerine Giren Dergi)

● **Robust Tracking in Cellular Networks Using HMM Filters and Cell-ID Measurements**

Bshara M., Orguner U., Gustafsson F., Van Biesen L.

IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, cilt.60, ss.1016-1024, 2011 (SCI İndekslerine Giren Dergi)

● **Extended Target Tracking Using Polynomials With Applications to Road-Map Estimation**

Lundquist C., Orguner U., Gustafsson F.

IEEE TRANSACTIONS ON SIGNAL PROCESSING, cilt.59, ss.15-26, 2011 (SCI İndekslerine Giren Dergi)

● **Fingerprinting Localization in Wireless Networks Based on Received-Signal-Strength Measurements:**

A Case Study on WiMAX Networks

Bshara M., Orguner U., Gustafsson F., Van Biesen L.

IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, cilt.59, ss.283-294, 2010 (SCI İndekslerine Giren Dergi)

● **Risk-sensitive particle filters for mitigating sample impoverishment**

Orguner U., Gustafsson F.

IEEE TRANSACTIONS ON SIGNAL PROCESSING, cilt.56, ss.5001-5012, 2008 (SCI İndekslerine Giren Dergi)

● **Maximum likelihood estimation of transition probabilities of jump Markov linear systems**

Orguner U., Demirekler M.

IEEE TRANSACTIONS ON SIGNAL PROCESSING, cilt.56, ss.5093-5108, 2008 (SCI İndekslerine Giren Dergi)

● **Phase-sensitive detection of motor fault signatures in the presence of noise**

Akin B., Orguner U., Toliyat H. A., Rayner M.

IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, cilt.55, ss.2539-2550, 2008 (SCI İndekslerine Giren Dergi)

● **Low order PWM inverter harmonics contributions to the inverter-fed induction machine fault diagnosis**

Akin B., Orguner U., Toliyat H. A., Rayner M.

- IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, cilt.55, ss.610-619, 2008 (SCI İndekslerine Giren Dergi)
Risk-sensitive filtering for jump Markov linear systems
Orguner U., Demirekler M.
- AUTOMATICA, cilt.44, ss.109-118, 2008 (SCI İndekslerine Giren Dergi)
Analysis of single Gaussian approximation of Gaussian mixtures in Bayesian filtering applied to mixed multiple-model estimation
Orguner U., Demirekler M.
- INTERNATIONAL JOURNAL OF CONTROL, cilt.80, ss.952-967, 2007 (SCI İndekslerine Giren Dergi)
An online sequential algorithm for the estimation of transition probabilities for jump Markov linear systems
Orguner U., Demirekler M.
- AUTOMATICA, cilt.42, ss.1735-1744, 2006 (SCI İndekslerine Giren Dergi)
Simple derivative-free nonlinear state observer for sensorless AC drives
Akin B., Orguner U., Ersak A., Ehsani M.
- IEEE-ASME TRANSACTIONS ON MECHATRONICS, cilt.11, ss.634-643, 2006 (SCI İndekslerine Giren Dergi)

Kitap & Kitap Bölümleri

- **Navigation and Tracking of Road-Bound Vehicles Using Map Support**
Orguner U.
Handbook of Intelligent Vehicles, Azim Eskandarian, Editör, Springer-Verlag , London, ss.397-434, 2012

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- **Slow moving target detection for airborne radar systems by dynamic programming on SAR images**
Gurer G., Koc S., Candan Ç., Orguner U.
2019 IEEE Radar Conference, RadarConf 2019, Massachusetts, Amerika Birleşik Devletleri, 22 - 26 Nisan 2019
- **A TIGHTER BAYESIAN CRAMER-RAO BOUND**
Bacharach L., Fritsche C., Orguner U., Chaumette E.
44th IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), Brighton, İngiltere, 12 - 17 Mayıs 2019, ss.5277-5281
- **Nonlinear Decentralized Data Fusion with Generalized Inverse Covariance Intersection**
Noack B., ORGUNER U., Hanebeck U. D.
22nd International Conference on Information Fusion (FUSION), Ottawa, Kanada, 2 - 05 Temmuz 2019
- **Some Inequalities Between Pairs of Marginal and Joint Bayesian Lower Bounds**
Bacharach L., Chaumette E., Fritsche C., ORGUNER U.
22nd International Conference on Information Fusion (FUSION), Ottawa, Kanada, 2 - 05 Temmuz 2019
- **Bobrovsky-Zakai Bound for Filtering, Prediction and Smoothing of Nonlinear Dynamic Systems**
Fritsche C., ORGUNER U., Gustafsson F.
21st International Conference on Information Fusion, FUSION 2018, Cambridge, İngiltere, 10 - 13 Temmuz 2018, ss.171-178
- **Information Decorrelation for an Interacting Multiple Model Filter**
Acar D., ORGUNER U.
21st International Conference on Information Fusion, FUSION 2018, Cambridge, İngiltere, 10 - 13 Temmuz 2018, ss.1527-1534
- **A Random Matrix Measurement Update Using Taylor-Series Approximations**
SARITAŞ E., ORGUNER U.
21st International Conference on Information Fusion, FUSION 2018, Cambridge, İngiltere, 10 - 13 Temmuz 2018, ss.1756-1763

● **MARGINAL BAYESIAN BHATTACHARYYA BOUNDS FOR DISCRETE-TIME FILTERING**

Fritsche C., ORGUNER U., ÖZKAN E., Gustafsson F.

IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), Calgary, Kanada, 15 - 20 Nisan 2018, ss.4289-4293

● **Approximate Analytical Solutions for the Weight Optimization Problems of CI and ICI**

ORGUNER U.

Symposium on Sensor Data Fusion - Trends, Solutions, Applications (SDF), Bonn, Almanya, 10 - 12 Ekim 2017

● **Recent results on Bayesian Cramér-Rao bounds for jump Markov systems**

Fritsche C., ORGUNER U., Svensson L., Gustafsson F.

19th International Conference on Information Fusion, FUSION 2016, Heidelberg, Almanya, 5 - 08 Temmuz 2016, ss.512-520

● **Optimal Sensor Placement for Doppler-Only Target Tracking: ID Target Motion Case**

Ayazgok S., ORGUNER U.

19th International Conference on Information Fusion (FUSION), Heidelberg, Almanya, 5 - 08 Temmuz 2016, ss.2283-2288

● **On the Solution of Data Association Problem Using Rollout Algorithms**

Ozgen S., DEMİREKLER M., ORGUNER U.

19th International Conference on Information Fusion (FUSION), Heidelberg, Almanya, 5 - 08 Temmuz 2016, ss.695-702

● **Posterior Cram'er-Rao Lower Bounds for Extended Target Tracking with Random Matrices**

SARITAŞ E., ORGUNER U.

19th International Conference on Information Fusion (FUSION), Heidelberg, Almanya, 5 - 08 Temmuz 2016, ss.1485-1492

● **ON PARAMETRIC LOWER BOUNDS FOR DISCRETE-TIME FILTERING**

Fritsche C., ORGUNER U., Gustafsson F.

IEEE International Conference on Acoustics, Speech, and Signal Processing, Shanghai, Çin, 20 - 25 Mart 2016, ss.4338-4342

● **Chernoff Fusion of Gaussian Mixtures for Distributed Maneuvering Target Tracking**

GUNAY M., ORGUNER U., DEMİREKLER M.

18th International Conference on Information Fusion (Fusion), Washington, Kiribati, 6 - 09 Temmuz 2015, ss.870-877

● **Dynamic Quantization for Track Fusion Under Communication Constraints**

Gok G., ORGUNER U.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.962-965

● **On Generalized Eigenvector Space For Target Detection in Reduced Dimensions**

GÜVENSEN G. M. , CANDAN Ç., Koc S., ORGUNER U.

IEEE International Radar Conference (RadarCon), Virginia, Amerika Birleşik Devletleri, 10 - 15 Mayıs 2015, ss.1316-1321

● **MARGINAL WEISS-WEINSTEIN BOUNDS FOR DISCRETE-TIME FILTERING**

Fritsche C., Ozkan E., ORGUNER U., Gustafsson F.

40th IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Brisbane, Avustralya, 19 - 24 Nisan 2015, ss.3487-3491

● **Approximate Chernoff Fusion of Gaussian Mixtures Using Sigma-Points**

Gunay M., ORGUNER U., DEMİREKLER M.

17th International Conference on Information Fusion (FUSION), Salamanca, Meksika, 7 - 10 Temmuz 2014

● **3D TRACKING OF PEOPLE WITH RAO-BLACKWELLIZED PARTICLE FILTERS**

Topcu O., ORGUNER U., Alatan A., ERCAN A. Ö.

22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Türkiye, 23 - 25 Nisan 2014, ss.670-673

● **DELAY ESTIMATION BASED ON KINEMATIC TRACK INFORMATION WITHOUT TIME STAMPS**

Ozgen S., SARITAŞ E., ORGUNER U., Acar D.

22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Türkiye, 23 - 25 Nisan 2014, ss.1454-1458

● **On the Cramér-Rao lower bound under model mismatch**

Fritsche C., ORGUNER U., Ozkan E., Gustafsson F.

40th IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2015, Brisbane, Avustralya, 19 - 24 Nisan 2014, ss.3986-3990

● **Centralized Target Tracking with Propagation Delayed Measurements**

MEHMETCIK E., ORGUNER U.

16th International Conference on Information Fusion (FUSION), İstanbul, Türkiye, 9 - 12 Temmuz 2013, ss.820-826

● **MULTI-TARGET TRACKING USING PASSIVE DOPPLER MEASUREMENTS**

Guldogan M. B. , ORGUNER U., Gustafsson F.

21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 Nisan 2013

● **Enhancing GPS positioning accuracy from the generation of ground-truth reference points for on-road urban navigation**

Bshara M., Orguner U., Gustafsson F., Van Biesen L.

20th IMEKO World Congress 2012, Busan, Güney Kore, 9 - 14 Eylül 2012, cilt.2, ss.799-804

● **On-road trajectory generation from GPS data: A particle filtering/smoothing application**

Roth M., Gustafsson F., ORGUNER U.

15th International Conference on Information Fusion, FUSION 2012, Singapore, Singapur, 7 - 12 Eylül 2012, ss.779-786

● **Estimation and maintenance of measurement rates for multiple extended target tracking**

Granström K., ORGUNER U.

15th International Conference on Information Fusion, FUSION 2012, Singapore, Singapur, 7 - 12 Eylül 2012, ss.2170-2176

● **On the reduction of Gaussian inverse Wishart mixtures**

Granström K., ORGUNER U.

15th International Conference on Information Fusion, FUSION 2012, Singapore, Singapur, 7 - 12 Eylül 2012, ss.2162-2169

● **Multiple target tracking with Gaussian mixture PHD filter using passive acoustic Doppler-only measurements**

Guldogan M. B. , Lindgren D., Gustafsson F., Habberstad H., Orguner U.

15th International Conference on Information Fusion, FUSION 2012, Singapore, Singapur, 7 - 12 Eylül 2012, ss.2600-2607

● **On mixture reduction for multiple target tracking**

Ardeshiri T., ORGUNER U., Lundquist C., Schön T. B.

15th International Conference on Information Fusion, FUSION 2012, Singapore, Singapur, 7 - 12 Eylül 2012, ss.692-699

● **Gaussian mixture PHD filter for multi-target tracking using passive doppler-only measurements**

Guldogan M. B. , Orguner U., Gustafsson F.

9th IET Data Fusion and Target Tracking Conference: Algorithms and Applications, DF and TT 2012, London, İngiltere, 16 - 17 Mayıs 2012, cilt.2012, ss.2

● **Olasilik hipotez yoğunluğu süzgeci kullanarak akustik sensörlerle kara araçlari takibi**

Özkan E., Güldoğan B., ORGUNER U., Gustafsson F.

2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Muğla, Türkiye, 18 - 20 Nisan 2012

● **Non-Linear Filtering based on Observations from Student's t Processes**

Saha S., Orguner U., Gustafsson F.

IEEE Aerospace Conference, Montana, Amerika Birleşik Devletleri, 3 - 10 Mart 2012

● **ML Estimation of Process Noise Variance in Dynamic Systems**

Axelsson P., Orguner U., Gustafsson F., Norrlöf M.

Proceedings of 18th IFAC World Congress, Milan, İtalya, 28 Ağustos - 02 Eylül 2011, cilt.44, ss.5609-5614

● **The benefits of down-sampling in the particle filter**

Gustafsson F., Saha S., Orguner U.

14th International Conference on Information Fusion, Fusion 2011, Chicago, IL, Amerika Birleşik Devletleri, 5 - 08 Temmuz 2011

● **Extended target tracking with a cardinalized probability hypothesis density filter**

Orguner U., Lundquist C., Granström K.

14th International Conference on Information Fusion, Fusion 2011, Chicago, IL, Amerika Birleşik Devletleri, 5 - 08 Temmuz 2011

● **Estimating the shape of targets with a PHD filter**

Lundquist C., Granström K., Orguner U.

14th International Conference on Information Fusion, Fusion 2011, Chicago, IL, Amerika Birleşik Devletleri, 5 - 08 Temmuz 2011

● **Ground multiple target tracking with a network of acoustic sensor arrays using PHD and CPHD filters**

Özkan E., Guldogan M. B. , Orguner U., Gustafsson F.

14th International Conference on Information Fusion, Fusion 2011, Chicago, IL, Amerika Birleşik Devletleri, 5 - 08 Temmuz 2011

● **Tracking rectangular and elliptical extended targets using laser measurements**

Granström K., Lundquist C., Orguner U.

14th International Conference on Information Fusion, Fusion 2011, Chicago, IL, Amerika Birleşik Devletleri, 5 - 08 Temmuz 2011

● **GPS positioning and ground-truth reference points generation**

Bshara M., Orguner U., Gustafsson F., Van Biesen L.

Joint IMEKO TC11-TC19-TC20 International Symposium Metrological Infrastructure, Environmental and Energy Measurement and International Symposium of Energy Agencies of Mediterranean Countries, IMEKO-MI 2011, Cavtat, Hırvatistan, 15 - 17 Haziran 2011, ss.111-116

● **HUMAN GAIT PARAMETER ESTIMATION BASED ON MICRO-DOPPLER SIGNATURES USING PARTICLE FILTERS**

Guldogan M. B. , Gustafsson F., Orguner U., Bjorklund S., Petersson H., Nezirovic A.

IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Prague, Çek Cumhuriyeti, 22 - 27 Mayıs 2011, ss.5940-5943

● **Radar micro-doppler parameter estimation of human motion using particle filters Parcacik suzgeci kullanılarak insan yürüyüş ü radar mikro-doppler parametrelerinin kesti rilmesi**

Guldogan M., Gustafsson F., Orguner U., Bjorklund S., Petersson H., Nezirovic A.

2011 IEEE 19th Signal Processing and Communications Applications Conference, SIU 2011, Antalya, Türkiye, 20 - 22 Nisan 2011, ss.395-398

● **Non-linear filtering based on observations from Gaussian processes**

Gustafsson F., Saha S., Orguner U.

2011 IEEE Aerospace Conference, AERO 2011, Big Sky, MT, Amerika Birleşik Devletleri, 5 - 12 Mart 2011

● **Multi target tracking with acoustic power measurements using emitted power density**

Orguner U., Gustafsson F.

13th Conference on Information Fusion, Fusion 2010, Edinburgh, İngiltere, 26 - 29 Temmuz 2010

● **Estimating polynomial structures from radar data**

Lundquist C., Orguner U., Gustafsson F.

13th Conference on Information Fusion, Fusion 2010, Edinburgh, İngiltere, 26 - 29 Temmuz 2010

● **A Gaussian mixture PHD filter for extended target tracking**

Granström K., Lundquist C., Orguner U.

13th Conference on Information Fusion, Fusion 2010, Edinburgh, İngiltere, 26 - 29 Temmuz 2010

● **Combined Point-Mass and Particle Filter for Target Tracking**

Orguner U., Skoglar P., Tornqvist D., Gustafsson F.

IEEE/AIAA Aerospace Conference, Montana, Amerika Birleşik Devletleri, 6 - 13 Mart 2010

Particle Filtering with Propagation Delayed Measurements

Orguner U., Gustafsson F.

IEEE/AIAA Aerospace Conference, Montana, Amerika Birleşik Devletleri, 6 - 13 Mart 2010

Tracking in WiMAX Networks Using Cell-IDs

Bshara M., Orguner U., Van Biesen L.

IEEE Mobile WiMAX Symposium 2009, California, Amerika Birleşik Devletleri, 9 - 10 Temmuz 2009, ss.102-103

Road Target Tracking with an Approximative Rao-Blackwellized Particle Filter

Skoglar P., Orguner U., Tornqvist D., Gustafsson F.

12th International Conference on Information Fusion, Washington, Amerika Birleşik Devletleri, 6 - 09 Temmuz 2009, ss.17-24

Distributed Target Tracking with Propagation Delayed Measurements

Orguner U., Gustafsson F.

12th International Conference on Information Fusion, Washington, Amerika Birleşik Devletleri, 6 - 09 Temmuz 2009, ss.802-809

Tracking Stationary Extended Objects for Road Mapping using Radar Measurements

Lundquist C., Orguner U., Schon T. B.

IEEE Intelligent Vehicles Symposium, Xian, Çin, 3 - 05 Haziran 2009, ss.405-410

Entropy Calculation in Particle Filters

Orguner U.

IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.850-853

Tracking in WiMAX Networks depending on SCORE measurements

Bshara M., Orguner U., Gustafsson F., Van Biesen L.

6th Workshop on Positioning, Navigation and Communication, Hannover, Almanya, 19 Mart 2009, ss.229-230

Improved Target Tracking with Road Network Information

Orguner U., Schon T. B., Gustafsson F.

2009 IEEE Aerospace Conference, Montana, Amerika Birleşik Devletleri, 7 - 14 Mart 2009, ss.1827-1837

On Information Measures based on Particle Mixture for Optimal Bearings-only Tracking

Skoglar P., Orguner U., Gustafsson F.

2009 IEEE Aerospace Conference, Montana, Amerika Birleşik Devletleri, 7 - 14 Mart 2009, ss.1801-1804

Storage efficient particle filters for the out of sequence measurement problem

Orguner U., Gustafsson F.

11th International Conference on Information Fusion, FUSION 2008, Cologne, Almanya, 30 Haziran - 03 Temmuz 2008

Target tracking using delayed measurements with implicit constraints

Orguner U., Gustafsson F.

11th International Conference on Information Fusion, FUSION 2008, Cologne, Almanya, 30 Haziran - 03 Temmuz 2008

Simple real-time condition monitoring tools for low-cost motor drives

AKIN B., TOLİYAT H. A., ORGUNER U., RAYNER M.

International Conference on Electrical Machines and Systems, Seoul, Güney Kore, 8 - 11 Ekim 2007, ss.41-42

Statistical characteristics of Harris corner detector

Orguner U., Gustafsson F.

14th IEEE/SP Workshop on Statistical Signal Processing, Wisconsin, Amerika Birleşik Devletleri, 26 - 29 Ağustos 2007, ss.571-575

Risk sensitive particle filters for mitigating sample impoverishment

Orguner U., Gustafsson F.

14th IEEE/SP Workshop on Statistical Signal Processing, Wisconsin, Amerika Birleşik Devletleri, 26 - 29 Ağustos 2007, ss.259-263

- **Phase sensitive detection of motor fault signatures in the presence of noise**
Akin B., Toliyat H., ORGUNER U., Rayner M.
IEEE International Electric Machines and Drives Conference (IEMDC 2007), Antalya, Türkiye, 3 - 05 Mayıs 2007, ss.1420-1421
- **PWM inverter harmonics contributions to the inverter-fed induction machine bearing fault diagnosis**
Akin B., Toliyat H. A. , ORGUNER U., Rayner M.
22nd Annual IEEE Applied Power Electronics Conference (APEC 2007), California, Amerika Birleşik Devletleri, 25 Şubat - 01 Mart 2007, ss.1393-1394
- **Low-cost motor drive-embedded fault diagnosis a simple harmonic analyzer**
AKIN B., TOLİYAT H. A. , ORGUNER U., RAYNER M.
22nd Annual IEEE Applied Power Electronics Conference (APEC 2007), California, Amerika Birleşik Devletleri, 25 Şubat - 01 Mart 2007, ss.243-244
- **An efficient algorithm for pitch determination of speech signals-Kalman filter approach**
Salor O., DEMİREKLER M., ORGUNER U.
IEEE 14th Signal Processing and Communications Applications, Antalya, Türkiye, 16 - 19 Nisan 2006, ss.309-310
- **A Comparative Study on Non-Linear State Estimators Applied to Sensorless AC Drives: MRAS and Kalman Filter**
Akin B., Orguner U., Ersak A., Ehsani M.
30th Annual Conference of the IEEE-Industrial-Electronics-Society (IECON), Busan, Güney Kore, 2 - 06 Kasım 2004, ss.2148-2153
- **A comparative study on Kalman filtering techniques designed for state estimation of industrial AC drive systems**
Akin B., Orguner U., Ersak A.
IEEE International Conference on Mechatronics (ICM 2004), İstanbul, Türkiye, 3 - 05 Haziran 2004, ss.439-445
- **An experimental performance test of a derivative-free non-linear state observer designed for sensorless AC drives**
AKIN B., Orguner U., Ersak A.
IEEE International Conference on Mechatronics (ICM 2004), İstanbul, Türkiye, 3 - 05 Haziran 2004, ss.432-438
- **State estimation of induction motor using unscented Kalman filter**
Akin B., Orguner U., Ersak A.
IEEE Conference on Control Applications, İstanbul, Türkiye, 23 - 25 Haziran 2003, ss.915-919

Atıflar

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h-indeksi (WOS):20