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Education Information

Doctorate, Boston University, Mühendislik Fakültesi, Electrical and Computer Engineering Department, United States Of America 1989 - 1993
Postgraduate, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1987 - 1989
Undergraduate, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1983 - 1987

Dissertations

Doctorate, Two-band QMF Banks, Butterworth Wavelets, Time-Varying Filter Banks and Adaptive Echo Cancellation., Boston University, Ecs, 1993
Postgraduate, A Medical imaging system for the estimation of vessel diameter and left ventricular volume, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 1989

Research Areas

Electrical and Electronics Engineering

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Electrical and Electronics Engineering, 2007 - Continues
Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Electrical and Electronics Engineering, 2001 - 2007
Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Electrical and Electronics Engineering, 1998 - 2001
Assistant Professor, Ankara University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1993 - 1998

Advising Theses

TUNCER T. E., Direction of arrival estimation by using alternating direction method of multipliers in distributed sensor array networks, Postgraduate, E.NURBAŞ(Student), 2022
TUNCER T. E., Phased-COSTAS coding of MIMO radar waveforms for transmit beamforming using generalized ambiguity functions, Postgraduate, O.ONUR(Student), 2021
TUNCER T. E., Direction of arrival estimation in sensor arrays with faulty elements, Postgraduate, T.Külbay(Student), 2020
TUNCER T. E., Interference alignment on multigroup multi way relay channels, Postgraduate, M.Akif(Student), 2019
TUNCER T. E., Beamforming for energy harvesting and multi-user communications, Doctorate, Ö.TUĞFE(Student), 2018
TUNCER T. E., Path planning and localization for mobile anchor based wireless sensor networks, Postgraduate, E.ERDEMİR(Student), 2017
TUNCER T. E., Direction finding in the presence of array imperfections, model mismatches and multipath, Doctorate, A.MUSAB(Student), 2016
TUNCER T. E., Performance of a non-linear adaptive beamformer algorithm for signal-of-interest extraction /, Postgraduate, Ö.OĞUZ(Student), 2015
TUNCER T. E., Performance analysis of direction-of-arrival estimation algorithms in the presence of array imperfections and multipath for different antenna array geometries /, Postgraduate, M.ÇALIŞKAN(Student), 2014
TUNCER T. E., Positioning performances of single frequency GPS, GLONASS and carrier based algorithms in a software platform /, Postgraduate, C.SAVAŞ(Student), 2014
TUNCER T. E., Optimization techniques for nonconvex problems and optimum discrete transmit beamformer design /, Postgraduate, Ö.TUĞFE(Student), 2014
TUNCER T. E., Sparse sensor array design via constrained optimization, Postgraduate, G.GÖK(Student), 2013
TUNCER T. E., Polarization diversity in channel modeling for MIMO systems, Postgraduate, B.SÖKER(Student), 2013
TUNCER T. E., Aerial acoustic data communication, Postgraduate, K.Önder(Student), 2012
TUNCER T. E., Real time implementation of an acoustic radar on field programmable gate arrays, Postgraduate, M.ARSLAN(Student), 2012
TUNCER T. E., Comparison of emitter localization methods with a moving platform in three dimensions, Postgraduate, B.TUFAN(Student), 2012
TUNCER T. E., Online calibration of sensor arrays using higher order statistics, Doctorate, M.AKTAŞ(Student), 2012
TUNCER T. E., Mutual coupling calibration of antenna arrays for direction-of-arrival estimation, Postgraduate, T.Aksoy(Student), 2012
TUNCER T. E., Direction finding performance of antenna arrays on complex platforms using numerical electromagnetic simulation tools, Postgraduate, M.ONUR(Student), 2011
TUNCER T. E., Comparison and evaluation of three dimensional passive source localization techniques, Postgraduate, E.BATUMAN(Student), 2010
TUNCER T. E., Code aided frame synchronization for frequency selective channels, Postgraduate, U.UTKU(Student), 2010
TUNCER T. E., Planar array structures for two-dimensional direction-of-arrival estimation, Doctorate, T.FİLİK(Student), 2010
TUNCER T. E., Blind and semi-blind channel order estimation in simo systems, Doctorate, S.Karakütük(Student), 2009
TUNCER T. E., Implementation and performance evaluation of a three antenna direction finding system, Postgraduate, Ö.ÇAĞRI(Student), 2009
TUNCER T. E., Blind and semi-bnlind channel order estimation in SIMO systems, Doctorate, S.KARAKÜTÜK(Student), 2009
TUNCER T. E., Application of sar techniques in an ultrasound testbed, Postgraduate, G.Solak(Student), 2008
TUNCER T. E., Feature set evaluation for a generic missile detection system, Postgraduate, K.SELÇUK(Student), 2007
TUNCER T. E., Comparison of the intercarrier interference cancellation methods in OFDM systems, Postgraduate, B.Etiler(Student), 2007
TUNCER T. E., Direction of arrival estimation by array interpolation in randomly distributed sensor arrays, Postgraduate, I.Akyıldız(Student), 2006
TUNCER T. E., Implementation of nortfinding techniques, Postgraduate, P.Oğuz(Student), 2006

TUNCER T. E., Improvements in doa estimation by array interpolation in non-uniform linear arrays, Postgraduate, T.KAYA(Student), 2006
TUNCER T. E., Signal reconstruction from nonuniform samples, Postgraduate, B.SERDAROĞLU(Student), 2005
TUNCER T. E., Implementation and performance analysis of the DVB-T standard system, Postgraduate, M.YÜKSEKKAYA(Student), 2005
TUNCER T. E., Frame synchronization in OFDM systems, Postgraduate, H.Yesari(Student), 2005
TUNCER T. E., Implementation of software GPS receiver, Postgraduate, E.Günaydın(Student), 2005
TUNCER T. E., LSE and MSE optimum deconvolution, Postgraduate, M.Aktaş(Student), 2004
BEŞİKCİ C., TUNCER T. E., A Digital signal processor based development platform for thermal imagers, Postgraduate, M.Özkan(Student), 2003

Published journal articles indexed by SCI, SSCI, and AHCI

I. **MIMO radar beampattern design by using Phased-Costas waveforms with PAR constraints employing a generalized ambiguity function**
Celik O. O., TUNCER T. E.
Digital Signal Processing: A Review Journal, vol.135, 2023 (SCI-Expanded)
II. **Collaborative Direction of Arrival estimation by using Alternating Direction Method of Multipliers in distributed sensor array networks employing Sparse Bayesian Learning framework**
Nurbas E., Onat E., TUNCER T. E.
DIGITAL SIGNAL PROCESSING, vol.130, 2022 (SCI-Expanded)
III. **Metric scale and angle estimation in monocular visual odometry with multiple distance sensors**
Ölmez B., TUNCER T. E.
Digital Signal Processing: A Review Journal, vol.117, 2021 (SCI-Expanded)
IV. **Estimation of partially occluded 2D human joints with a Bayesian approach**
Dursun A. A., TUNCER T. E.
Digital Signal Processing: A Review Journal, vol.114, 2021 (SCI-Expanded)
V. **Improved ADMM-based algorithms for multi-group multicasting in large-scale antenna systems with extension to hybrid beamforming**
Demir Ö. T., TUNCER T. E.
Digital Signal Processing: A Review Journal, vol.93, pp.43-57, 2019 (SCI-Expanded)
VI. **Robust Optimum and Near-Optimum Beamformers for Decode-and-Forward Full-Duplex Multi-Antenna Relay With Self-Energy Recycling**
Demir O. T., TUNCER T. E.
IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, vol.18, no.3, pp.1566-1580, 2019 (SCI-Expanded)
VII. **Path planning for mobile-anchor based wireless sensor network localization: Static and dynamic schemes**
Erdemir E., TUNCER T. E.
AD HOC NETWORKS, vol.77, pp.1-10, 2018 (SCI-Expanded)
VIII. **Optimum QoS-Aware Beamformer Design for Full-Duplex Relay With Self-Energy Recycling**
DEMİR Ö. T., TUNCER T. E.
IEEE WIRELESS COMMUNICATIONS LETTERS, vol.7, no.1, pp.122-125, 2018 (SCI-Expanded)
IX. **Max-Min Fair Resource Allocation for SWIPT in Multi-Group Multicast OFDM Systems**
DEMİR Ö. T., TUNCER T. E.
IEEE COMMUNICATIONS LETTERS, vol.21, no.11, pp.2508-2511, 2017 (SCI-Expanded)
X. **Antenna Selection and Hybrid Beamforming for Simultaneous Wireless Information and Power Transfer in Multi-Group Multicasting Systems**
DEMİR Ö. T., TUNCER T. E.
IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, vol.15, no.10, pp.6948-6962, 2016 (SCI-Expanded)
XI. **2-D DOA and mutual coupling coefficient estimation for arbitrary array structures with single and**

multiple snapshots
Elbir A. M., TUNCER T. E.
DIGITAL SIGNAL PROCESSING, vol.54, pp.75-86, 2016 (SCI-Expanded)

XII. **2-D DOA estimation in case of unknown mutual coupling for multipath signals**
Filik T., TUNCER T. E.
MULTIDIMENSIONAL SYSTEMS AND SIGNAL PROCESSING, vol.27, no.1, pp.69-86, 2016 (SCI-Expanded)

XIII. **Optimum discrete phase-only multicast beamforming with joint antenna and user selection in cognitive radio networks**
DEMİR Ö. T., TUNCER T. E.
DIGITAL SIGNAL PROCESSING, vol.46, pp.81-96, 2015 (SCI-Expanded)

XIV. **Optimum discrete transmit beamformer design**
DEMİR Ö. T., TUNCER T. E.
DIGITAL SIGNAL PROCESSING, vol.36, pp.57-68, 2015 (SCI-Expanded)

XV. **Far-field DOA estimation and near-field localization for multipath signals**
Elbir A. M., TUNCER T. E.
RADIO SCIENCE, vol.49, no.9, pp.765-776, 2014 (SCI-Expanded)

XVI. **Calibration of antenna arrays for aeronautical vehicles on ground**
Elbir A. M., TUNCER T. E.
AEROSPACE SCIENCE AND TECHNOLOGY, vol.30, no.1, pp.18-25, 2013 (SCI-Expanded)

XVII. **Sectorized approach and measurement reduction for mutual coupling calibration of non-omnidirectional antenna arrays**
Aksoy T., TUNCER T. E.
RADIO SCIENCE, vol.48, no.2, pp.102-110, 2013 (SCI-Expanded)

XVIII. **Measurement reduction for mutual coupling calibration in DOA estimation**
Aksoy T., TUNCER T. E.
RADIO SCIENCE, vol.47, 2012 (SCI-Expanded)

XIX. **2-D PAIRED DIRECTION-OF-ARRIVAL ANGLE ESTIMATION WITH TWO PARALLEL UNIFORM LINEAR ARRAYS**
Filik T., TUNCER T. E.
INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL, vol.7, no.6, pp.3269-3279, 2011 (SCI-Expanded)

XX. **Channel Matrix Recursion for Blind Effective Channel Order Estimation**
Karakutuk S., TUNCER T. E.
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.59, no.4, pp.1642-1653, 2011 (SCI-Expanded)

XXI. **Iterative HOS-SOS (IHOSS) Algorithm for Direction-of-Arrival Estimation and Sensor Localization**
Aktas M., TUNCER T. E.
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.58, no.12, pp.6181-6194, 2010 (SCI-Expanded)

XXII. **A fast and automatically paired 2-D direction-of-arrival estimation with and without estimating the mutual coupling coefficients**
Filik T., TUNCER T. E.
RADIO SCIENCE, vol.45, 2010 (SCI-Expanded)

XXIII. **No-search algorithm for direction of arrival estimation**
TUNCER T. E., ÖZGEN M. T.
RADIO SCIENCE, vol.44, 2009 (SCI-Expanded)

XXIV. **Uniform and nonuniform V-shaped planar arrays for 2-D direction-of-arrival estimation**
Filik T., TUNCER T. E.
RADIO SCIENCE, vol.44, 2009 (SCI-Expanded)

XXV. **Direction of arrival estimation for nonuniform linear arrays by using array interpolation**
Tuncer T. E., Yasar T. K., Friedlander B.
RADIO SCIENCE, vol.42, no.4, 2007 (SCI-Expanded)

XXVI. **Block-based methods for the reconstruction of finite-length signals from nonuniform samples**

Tuncer T. E.
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.55, no.2, pp.530-541, 2007 (SCI-Expanded)

XXVII. **LSE and MSE optimum partition-based FIR-IIR deconvolution filters with best delay**
Tuncer T., Aktas M.
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.53, no.10, pp.3780-3790, 2005 (SCI-Expanded)

XXVIII. **Optimum and suboptimum blind channel and symbol estimation for SISO channels**
TUNCER T. E.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.12, no.3, pp.181-201, 2004 (SCI-Expanded)

XXIX. **Deconvolution and preequalization with best delay LS inverse filters**
Tuncer T.
SIGNAL PROCESSING, vol.84, no.11, pp.2207-2219, 2004 (SCI-Expanded)

XXX. **Object reconstruction from in-line Fresnel holograms without explicit depth focusing**
Ozgen M., Tuncer T.
OPTICAL ENGINEERING, vol.43, no.6, pp.1300-1310, 2004 (SCI-Expanded)

XXXI. **Optimum Nyquist filters with controlled time and frequency characteristics**
Tuncer T.
ELECTRONICS LETTERS, vol.38, no.21, pp.1292-1293, 2002 (SCI-Expanded)

XXXII. **A new method for D-dimensional exact deconvolution**
Tuncer T.
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.47, no.5, pp.1324-1334, 1999 (SCI-Expanded)

XXXIII. **Signal injection with perceptual criteria**
TUNCER T. E.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.6, no.2, pp.89-106, 1998 (SCI-Expanded)

XXXIV. **INTERPOLATED IIR MTH-BAND FILTER DESIGN WITH ALLPASS SUBFILTERS**
TUNCER T. E., NGUYEN T.
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.43, no.8, pp.1986-1990, 1995 (SCI-Expanded)

XXXV. **GENERAL-ANALYSIS OF 2-BAND QMF BANKS**
TUNCER T. E., NGUYEN T.
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.43, no.2, pp.544-548, 1995 (SCI-Expanded)

Books & Book Chapters

I. **Classical And Modern Direction-Of-Arrival Estimation**
Tuncer T. E. (Editor)
AP, London , London, 2009

II. **Narrowband and Wideband Direction-of-Arrival Estimation For Uniform And Nonuniform Linear Arrays**
Tuncer T. E.
in: Classical And Modern Direction-Of-Arrival Estimation, Temel Engin Tuncer,Benjamin Friedlander, Editor, Elsevier Science, Oxford/Amsterdam , London, pp.1-15, 2009

Refereed Congress / Symposium Publications in Proceedings

I. **Improved ADMM-Based Algorithm for Multi-Group Multicast Beamforming in Large-Scale Antenna Systems**
DEMİR Ö. T., TUNCER T. E.
European Signal Processing Conference (EUSIPCO), Rome, Italy, 3 - 07 August 2018, pp.652-656

II. **A New Beamformer Design Method for Multi-Group Multicasting by Enforcing Constructive Interference**

DEMİR Ö. T., TUNCER T. E.
European Signal Processing Conference (EUSIPCO), Rome, Italy, 3 - 07 August 2018, pp.632-636

III. **Path Planning and Localization for Mobile Anchor Based Wireless Sensor Networks**
Erdemir E., TUNCER T. E.
25th European Signal Processing Conference (EUSIPCO), Greece, 28 August - 02 September 2017, pp.131-135

IV. **SWIPT for Max-Min Fair Multi-Group Multicast Beamforming Through Power Splitting**
DEMİR Ö. T., TUNCER T. E.
IEEE Wireless Communications and Networking Conference (WCNC), San-Francisco, Costa Rica, 19 - 22 March 2017

V. **An Adaptive Path Planning Algorithm for Mobile-Anchor Based Wireless Sensor Networks**
Erdemir E. N., TUNCER T. E.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

VI. **Single Snapshot DOA Estimation in the Presence of Mutual Coupling for Arbitrary Array structures**
ELBİR A. M., TUNCER T. E.
IEEE 9th Sensor Array and Multichannel Signal Processing Workshop (SAM 2016), 10 - 16 July 2016

VII. **Compressed Sensing For Single Snapshot Direction Finding In The Presence of Mutual Coupling**
Elbir A. M., TUNCER T. E.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1109-1112

VIII. **Two-Bit Hybrid Beamforming for Broadcasting**
DEMİR Ö. T., TUNCER T. E.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1733-1736

IX. **Cooperative Localization In One-Hop And Multi-Hop Wireless Sensor Networks Using Alternating Minimization Algorithm**
Erdemir E. N., TUNCER T. E.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1357-1360

X. **Direction-of-Arrival and Mutual Coupling Coefficient Estimation With A Single Observation For Arbitrary Array Structures**
Elbir A. M., TUNCER T. E.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1105-1108

XI. **Relay-Assisted Beamforming for Multicast Systems with Energy Harvesting Capability**
DEMİR Ö. T., TUNCER T. E.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1865-1868

XII. **HYBRID BEAMFORMING WITH TWO BIT RF PHASE SHIFTERS IN SINGLE GROUP MULTICASTING**
DEMİR Ö. T., TUNCER T. E.
IEEE International Conference on Acoustics, Speech, and Signal Processing, Shanghai, China, 20 - 25 March 2016, pp.3271-3275

XIII. **DISTRIBUTED BEAMFORMING IN RELAY NETWORKS FOR ENERGY HARVESTING MULTI-GROUP MULTICAST SYSTEMS**
DEMİR Ö. T., TUNCER T. E.
IEEE International Conference on Acoustics, Speech, and Signal Processing, Shanghai, China, 20 - 25 March 2016, pp.3296-3300

XIV. **JOINT OPTIMIZATION OF TRANSMIT AND RELAY BEAMFORMER FOR SINGLE GROUP MULTICAST TRANSMISSION**
DEMİR Ö. T., TUNCER T. E.
23rd European Signal Processing Conference (EUSIPCO), Nice, France, 31 August - 04 September 2015, pp.1361-1365

XV. **SPARSE SUPPORT RECOVERY FOR DOA ESTIMATION IN THE PRESENCE OF MUTUAL COUPLING**
Elbir A. M., TUNCER T. E.
23rd European Signal Processing Conference (EUSIPCO), Nice, France, 31 August - 04 September 2015, pp.1366-1370

XVI. **MULTI-GROUP MULTICAST BEAMFORMING FOR SIMULTANEOUS WIRELESS INFORMATION AND POWER TRANSFER**
DEMİR Ö. T., TUNCER T. E.
23rd European Signal Processing Conference (EUSIPCO), Nice, France, 31 August - 04 September 2015, pp.1356-1360

XVII. **SOURCE LOCALIZATION WITH SPARSE RECOVERY FOR COHERENT FAR- AND NEAR-FIELD SIGNALS**
Elbir A. M., TUNCER T. E.
2015 IEEE Signal Processing and Signal Processing Education Workshop (SP/SPE), Utah, United States Of America, 9 - 12 August 2015, pp.124-129

XVIII. **DIRECTION FINDING AND LOCALIZATION FOR FAR-FIELD SOURCES WITH NEAR-FIELD MULTIPATH REFLECTIONS**
Elbir A. M., TUNCER T. E.
IEEE Signal Processing and Signal Processing Education Workshop (SP/SPE), Utah, United States Of America, 9 - 12 August 2015, pp.130-135

XIX. **Discrete Broadcast Beamforming with Antenna and User Selection**
DEMİR Ö. T., TUNCER T. E.
23nd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1461-1464

XX. **Discrete Relay Beamforming for Broadcasting with Relay Selection**
DEMİR Ö. T., TUNCER T. E.
23nd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.2138-2141

XXI. **Wireless Sensor Network Localization Using Alternating Minimization Algorithm**
Erdemir E. N., TUNCER T. E.
23nd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.2191-2194

XXII. **Multicast Beamforming with Antenna Selection Using Alternating Maximization**
DEMİR Ö. T., TUNCER T. E.
23nd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1457-1460

XXIII. **Performance of a Non-Linear Adaptive Beamforming Algorithm for Signal-of-Interest Extraction**
Oguz O., TUNCER T. E.
23nd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.827-830

XXIV. **Sparse Signal Recovery for Localization of Coherent Far- and Near-Field Signals**
Elbir A. M., TUNCER T. E.
23nd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.899-902

XXV. **Evre uyumlu uzak ve yakın alan kaynakların konum kestirimi için seyrek işaret geri oluşturma**
TUNCER T. E., ELBİR A. M.
SİU-2015, Turkey, 16 - 19 May 2015

XXVI. **Hedef sinyal çıkarımı için doğrusal olmayan uyarlamalı bir hüzme şekillendirme algoritmasının başarımı**
oğuz ö., TUNCER T. E.
SİU-2015, Turkey, 16 - 19 May 2015

XXVII. **Almaşık enküçültme algoritması kullanarak kablosuz sensor ağlarında konumlandırma**
TUNCER T. E., ERDEMİR E.

SİU-2015, Turkey, 16 - 19 May 2015

XXVIII. **Almaşık enbüyütme kullanarak anten seçimi ile çoğa gönderim hüzme şekillendirme**
TUNCER T. E., DEMİR Ö. T.
SİU-2015, Turkey, 16 - 19 May 2015

XXIX. **Anten ve kullanıcı seçimi ile ayrık tüme gönderim hüzme tasarımı**
TUNCER T. E., DEMİR Ö. T.
SİU-2015, Turkey, 16 - 19 May 2015

XXX. **Röle seçimi ile tüme gönderim için ayrık röle hüzme şekillendirme**
TUNCER T. E., DEMİR Ö. T.
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XXXI. **OPTIMUM PHASE-ONLY DISCRETE BROADCAST BEAMFORMING WITH ANTENNA AND USER SELECTION IN INTERFERENCE LIMITED COGNITIVE RADIO NETWORKS**
DEMİR Ö. T., TUNCER T. E.
40th IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Brisbane, Australia, 19 - 24 April 2015, pp.2724-2728

XXXII. **MULTICAST BEAMFORMING WITH ANTENNA SELECTION USING EXACT PENALTY APPROACH**
DEMİR Ö. T., TUNCER T. E.
40th IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Brisbane, Australia, 19 - 24 April 2015, pp.2489-2493

XXXIII. **OPTIMUM DISCRETE DISTRIBUTED BEAMFORMING FOR SINGLE GROUP MULTICASTING RELAY NETWORKS WITH RELAY SELECTION**
DEMİR Ö. T., TUNCER T. E.
40th IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), Brisbane, Australia, 19 - 24 April 2015, pp.2524-2528

XXXIV. **OPTIMUM DISCRETE PHASE-ONLY TRANSMIT BEAMFORMING WITH ANTENNA SELECTION**
DEMİR Ö. T., TUNCER T. E.
22nd European Signal Processing Conference (EUSIPCO), Lisbon, Portugal, 1 - 05 September 2014, pp.1282-1286

XXXV. **ALTERNATING MAXIMIZATION ALGORITHM FOR THE BROADCAST BEAMFORMING**
DEMİR Ö. T., TUNCER T. E.
22nd European Signal Processing Conference (EUSIPCO), Lisbon, Portugal, 1 - 05 September 2014, pp.1915-1919

XXXVI. **OPTIMUM DISCRETE SINGLE GROUP MULTICAST BEAMFORMING**
DEMİR Ö. T., TUNCER T. E.
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XXXVII. **Optimum Discrete Max-Min Style Broadcast Beamforming Design**
DEMİR Ö. T., TUNCER T. E.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.1118-1121

XXXVIII. **Iterative Rank Minimization For Broadcast Beamforming**
DEMİR Ö. T., TUNCER T. E.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.1114-1117

XXXIX. **Angle and Position Estimation for Far-Field and Near-Field Multipath Signals**
Elbir A. M., TUNCER T. E.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.1379-1382

XL. **Joint Discrete Phase-Only Broadcast Beamforming With Antenna Selection**
DEMİR Ö. T., TUNCER T. E.
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XLI. **Two Dimensional DOA Estimation using Uniform Rectangular Array with Mutual Coupling**

Caliskan M., TUNCER T. E.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.465-468

XLII. **Ground Calibration of Antenna Arrays For Complex Platforms**
Elbir A. M., TUNCER T. E.
5th IEEE International Symposium on Phased Array Systems and Technology, Massachusetts, United States Of America, 15 - 18 October 2013, pp.714-718

XLIII. **OPTIMUM DESIGN OF DISCRETE TRANSMIT PHASE ONLY BEAMFORMER**
DEMİR Ö. T., TUNCER T. E.
21st European Signal Processing Conference (EUSIPCO), Marrakush, Morocco, 9 - 13 September 2013

XLIV. **Performance Comparison of Single and Dual Polarized MIMO Systems**
Soker B., TUNCER T. E.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013

XLV. **HOS BASED ONLINE CALIBRATION**
Aktas M., TUNCER T. E.
19th European Signal Processing Conference (EUSIPCO), Barcelona, Spain, 29 August - 02 September 2011, pp.604-608

XLVI. **ARRAY CALIBRATION WITH MODIFIED ITERATIVE HOS-SOS (MIHOSS) ALGORITHM**
Aktas M., TUNCER T. E.
19th European Signal Processing Conference (EUSIPCO), Barcelona, Spain, 29 August - 02 September 2011, pp.614-618

XLVII. **ITERATIVE HOS-SOS (IHOSS) BASED SENSOR LOCALIZATION AND DIRECTION-OF-ARRIVAL ESTIMATION**
Aktas M., TUNCER T. E.
2010 IEEE International Conference on Acoustics, Speech, and Signal Processing, Texas, United States Of America, 10 - 19 March 2010, pp.2602-2605

XLVIII. **A NEW CHANNEL ORDER ESTIMATION ALGORITHM FOR FIR SIMO CHANNELS**
Karakutuk S., TUNCER T. E.
17th European Signal Processing Conference (EUSIPCO 2009), 4 - 06 August 2009

XLIX. **Channel Output Error (COE) for Channel Order Estimation**
Karakutuk S., TUNCER T. E.
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L. **A Fast and Automatically Paired 2-Dimensional Direction-of-Arrival Estimation Using Arbitrary Array Geometry**
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Invited Talks

Artificial Intelligence, Seminar, Middle East Technical University, Turkey, March 2021

Non Academic Experience

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