

# Prof. TEMEL ENGİN TUNCER

## Personal Information

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## Education Information

Doctorate, Boston University, Mühendislik Fakültesi, Electrical and Computer Engineering Department, United States Of America 1989 - 1993

Post Graduate, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1987 - 1989

Under Graduate, 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

Post Graduate, 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, Elektrik-Elektronik Mühendisliği Bölümü, 2007 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 2001 - 2007

Assistant Professor, Middle East Technical University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 1998 - 2001

Assistant Professor, Ankara Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1993 - 1998

## Advising Theses

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, Post Graduate, 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, Post Graduate, Ö.OĞUZ(Student), 2015

TUNCER T. E. , Positioning performances of single frequency GPS, GLONASS and carrier based algorithms in a software platform, Post Graduate, C.SAVAŞ(Student), 2014

TUNCER T. E. , Optimization techniques for nonconvex problems and optimum discrete transmit beamformer design, Post Graduate, Ö.TUĞFE(Student), 2014

TUNCER T. E. , Performance analysis of direction-of-arrival estimation algorithms in the presence of array imperfections

and multipath for different antenna array geometries, Post Graduate, M.ÇALIŞKAN(Student), 2014

TUNCER T. E. , Sparse sensor array design via constrained optimization, Post Graduate, G.GÖK(Student), 2013

TUNCER T. E. , Polarization diversity in channel modeling for MIMO systems, Post Graduate, B.SÖKER(Student), 2013

TUNCER T. E. , Comparison of emitter localization methods with a moving platform in three dimensions, Post Graduate, B.TUFAN(Student), 2012

TUNCER T. E. , Real time implementation of an acoustic radar on field programmable gate arrays, Post Graduate, M.ARSLAN(Student), 2012

TUNCER T. E. , Online calibration of sensor arrays using higher order statistics, Doctorate, M.AKTAŞ(Student), 2012

TUNCER T. E. , Direction finding performance of antenna arrays on complex platforms using numerical electromagnetic simulation tools, Post Graduate, M.ONUR(Student), 2011

TUNCER T. E. , Planar array structures for two-dimensional direction-of-arrival estimation, Doctorate, T.FİLİK(Student), 2010

TUNCER T. E. , Comparison and evaluation of three dimensional passive source localization techniques, Post Graduate, E.BATUMAN(Student), 2010

TUNCER T. E. , Code aided frame synchronization for frequency selective channels, Post Graduate, U.UTKU(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, Post Graduate, Ö.ÇAĞRI(Student), 2009

TUNCER T. E. , Feature set evaluation for a generic missile detection system, Post Graduate, K.SELÇUK(Student), 2007

TUNCER T. E. , Improvements in doa estimation by array interpolation in non-uniform linear arrays, Post Graduate, T.KAYA(Student), 2006

TUNCER T. E. , Implementation and performance analysis of the DVB-T standard system, Post Graduate, M.YÜKSEKKAYA(Student), 2005

TUNCER T. E. , Signal reconstruction from nonuniform samples, Post Graduate, B.SERDAROĞLU(Student), 2005

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

- **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 (Journal Indexed in SCI)
- **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, pp.1566-1580, 2019 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **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, pp.122-125, 2018 (Journal Indexed in SCI)
- **Max-Min Fair Resource Allocation for SWIPT in Multi-Group Multicast OFDM Systems**  
DEMİR Ö. T. , TUNCER T. E.  
IEEE COMMUNICATIONS LETTERS, vol.21, pp.2508-2511, 2017 (Journal Indexed in SCI)
- **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, pp.6948-6962, 2016 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)

- **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 (Journal Indexed in SCI)
- **Optimum discrete transmit beamformer design**  
DEMİR Ö. T. , TUNCER T. E.  
DIGITAL SIGNAL PROCESSING, vol.36, pp.57-68, 2015 (Journal Indexed in SCI)
- **Far-field DOA estimation and near-field localization for multipath signals**  
Elbir A. M. , TUNCER T. E.  
RADIO SCIENCE, vol.49, pp.765-776, 2014 (Journal Indexed in SCI)
- **Calibration of antenna arrays for aeronautical vehicles on ground**  
Elbir A. M. , TUNCER T. E.  
AEROSPACE SCIENCE AND TECHNOLOGY, vol.30, pp.18-25, 2013 (Journal Indexed in SCI)
- **Sectorized approach and measurement reduction for mutual coupling calibration of non-omnidirectional antenna arrays**  
Aksoy T., TUNCER T. E.  
RADIO SCIENCE, vol.48, pp.102-110, 2013 (Journal Indexed in SCI)
- **Measurement reduction for mutual coupling calibration in DOA estimation**  
Aksoy T., TUNCER T. E.  
RADIO SCIENCE, vol.47, 2012 (Journal Indexed in SCI)
- **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, pp.3269-3279, 2011 (Journal Indexed in SCI)
- **Channel Matrix Recursion for Blind Effective Channel Order Estimation**  
Karakutuk S., TUNCER T. E.  
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.59, pp.1642-1653, 2011 (Journal Indexed in SCI)
- **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, pp.6181-6194, 2010 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **No-search algorithm for direction of arrival estimation**  
TUNCER T. E. , ÖZGEN M. T.  
RADIO SCIENCE, vol.44, 2009 (Journal Indexed in SCI)
- **Uniform and nonuniform V-shaped planar arrays for 2-D direction-of-arrival estimation**  
Filik T., TUNCER T. E.  
RADIO SCIENCE, vol.44, 2009 (Journal Indexed in SCI)
- **Direction of arrival estimation for nonuniform linear arrays by using array interpolation**  
Tuncer T. E. , Yasar T. K. , Friedlander B.  
RADIO SCIENCE, vol.42, 2007 (Journal Indexed in SCI)
- **Block-based methods for the reconstruction of finite-length signals from nonuniform samples**  
Tuncer T. E.  
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.55, pp.530-541, 2007 (Journal Indexed in SCI)
- **LSE and MSE optimum partition-based FIR-IIR deconvolution filters with best delay**  
Tuncer T., Aktas M.  
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.53, pp.3780-3790, 2005 (Journal Indexed in SCI)

- **Optimum and suboptimum blind channel and symbol estimation for SISO channels**  
TUNCER T. E.  
Turkish Journal of Electrical Engineering and Computer Sciences, vol.12, pp.181-201, 2004 (Journal Indexed in SCI Expanded)
- **Deconvolution and preequalization with best delay LS inverse filters**  
Tuncer T.  
SIGNAL PROCESSING, vol.84, pp.2207-2219, 2004 (Journal Indexed in SCI)
- **Object reconstruction from in-line Fresnel holograms without explicit depth focusing**  
Ozgen M., Tuncer T.  
OPTICAL ENGINEERING, vol.43, pp.1300-1310, 2004 (Journal Indexed in SCI)
- **Optimum Nyquist filters with controlled time and frequency characteristics**  
Tuncer T.  
ELECTRONICS LETTERS, vol.38, pp.1292-1293, 2002 (Journal Indexed in SCI)
- **A new method for D-dimensional exact deconvolution**  
Tuncer T.  
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.47, pp.1324-1334, 1999 (Journal Indexed in SCI)
- **Signal injection with perceptual criteria**  
TUNCER T. E.  
Turkish Journal of Electrical Engineering and Computer Sciences, vol.6, pp.89-106, 1998 (Journal Indexed in SCI Expanded)
- **INTERPOLATED IIR MTH-BAND FILTER DESIGN WITH ALLPASS SUBFILTERS**  
TUNCER T. E. , NGUYEN T.  
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.43, pp.1986-1990, 1995 (Journal Indexed in SCI)
- **GENERAL-ANALYSIS OF 2-BAND QMF BANKS**  
TUNCER T. E. , NGUYEN T.  
IEEE TRANSACTIONS ON SIGNAL PROCESSING, vol.43, pp.544-548, 1995 (Journal Indexed in SCI)

## Book & Book Chapters

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

- **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
- **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
- **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
- **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

- **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
- **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
- **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
- **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
- **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
- **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
- **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
- **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
- **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
- **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
- **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
- **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

- **Discrete Broadcast Beamforming with Antenna and User Selection**

DEMİR Ö. T. , TUNCER T. E.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1461-1464

- **Multicast Beamforming with Antenna Selection Using Alternating Maximization**

DEMİR Ö. T. , TUNCER T. E.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1457-1460

- **Wireless Sensor Network Localization Using Alternating Minimization Algorithm**

Erdemir E. N. , TUNCER T. E.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.2191-2194

- **Performance of a Non-Linear Adaptive Beamforming Algorithm for Signal-of-Interest Extraction**

Oguz O. , TUNCER T. E.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.827-830

- **Sparse Signal Recovery for Localization of Coherent Far- and Near-Field Signals**

Elbir A. M. , TUNCER T. E.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.899-902

- **Discrete Relay Beamforming for Broadcasting with Relay Selection**

DEMİR Ö. T. , TUNCER T. E.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.2138-2141

- **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

- **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

- **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

- **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

- **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

- **OPTIMUM DISCRETE SINGLE GROUP MULTICAST BEAMFORMING**

DEMİR Ö. T. , TUNCER T. E.

IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP), Florence, Italy, 4 - 09 May 2014

- **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

- **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
- **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
- **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
- **Joint Discrete Phase-Only Broadcast Beamforming With Antenna Selection**  
DEMİR Ö. T. , TUNCER T. E.  
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.1126-1129
- **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
- **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
- **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
- **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
- **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
- **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
- **A Fast and Automatically Paired 2-Dimensional Direction-of-Arrival Estimation Using Arbitrary Array Geometry**  
Filik T., TUNCER T. E.  
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, 9 - 11 April 2009, pp.782-785
- **Channel Output Error (COE) for Channel Order Estimation**  
Karakutuk S., TUNCER T. E.  
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, 9 - 11 April 2009, pp.331-334
- **WIDEBAND DOA ESTIMATION FOR NONUNIFORM LINEAR ARRAYS WITH WIENER ARRAY INTERPOLATION**

Yasar T. K. , TUNCER T. E.

IEEE Sensor Array and Multichannel Signal Processing Workshop, Darmstadt, Germany, 21 - 23 July 2008, pp.207-211

- **UNIFORM AND NONUNIFORM V-SHAPED ISOTROPIC PLANAR ARRAYS**

Filik T., TUNCER T. E.

IEEE Sensor Array and Multichannel Signal Processing Workshop, Darmstadt, Germany, 21 - 23 July 2008, pp.99-103

- **Uniform and Non-Uniform V-shaped Arrays for 2-D DOA Estimation**

Filik T., TUNCER T. E. , Yasar T. K.

IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Turkey, 20 - 22 April 2008, pp.408-411

- **Blind Communications System Structures For SIMO Channels**

Karakuetuek S., TUNCER T. E.

IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Turkey, 20 - 22 April 2008, pp.737-740

- **Design and evaluation of V-shaped arrays for 2-D DOA estimation**

Filik T., TUNCER T. E.

33rd IEEE International Conference on Acoustics, Speech and Signal Processing, Nevada, United States Of America, 30 March - 04 April 2008, pp.2477-2480

- **Effects of modulation type on blind SIMO communications systems**

Karakutuk S., TUNCER T. E.

IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Turkey, 11 - 13 June 2007, pp.1107-1110

- **Design of V-shaped array geometry**

Filik T., TUNCER T. E. , Yasar T. K.

IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Turkey, 11 - 13 June 2007, pp.735-738

- **Partly-filled nonuniform linear arrays for DOA estimation in multipath signals**

TUNCER T. E. , Yasar T. K. , Friedlander B.

32nd IEEE International Conference on Acoustics, Speech and Signal Processing, Hawaii, United States Of America, 15 - 20 April 2007, pp.1053-1055

- **A new method for signal interpolation**

Tuncer T. E.

IEEE 14th Signal Processing and Communications Applications, Antalya, Turkey, 16 - 19 April 2006, pp.746-749

- **Blind channel identification methods and channel order estimation**

Tuncer T. E.

IEEE 14th Signal Processing and Communications Applications, Antalya, Turkey, 16 - 19 April 2006, pp.429-432

- **Ring based FIR-IIR best delay LS inverse filters**

Aktas M., Tuncer T.

IEEE 12th Signal Processing and Communications Applications Conference, Kusadasi, Turkey, 28 - 30 April 2004, pp.208-211

- **Causal and stable FIR-IIR Wiener filters**

Tuncer T.

12th IEEE Workshop on Statistical Signal Processing, Missouri, United States Of America, 28 September - 01 October 2003, pp.118-121

- **ISI-free pulse shaping filters for receivers with or without a matched filter**

Tuncer T.

IEEE International Conference on Acoustics, Speech, and Signal Processing, Florida, United States Of America, 13 - 17 May 2002, pp.2269-2272

- **A new time-domain deconvolution algorithm and its applications**

Tuncer T.

IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP 99), Arizona, United States Of America, 15 - 19 March 1999, pp.1433-1436



## Patent

TUNCER T. E. , Nonsymmetric Wideband Dipole Antenna, Patent, CHAPTER H Electricity, Initial Registration, 2013  
Tuncer T. E. , A system and a method for simultaneous position, mutual coupling and gain/phase calibration of antenna arrays Classifications H01Q3/267 Phased-array testing or checking devices View 1 more classifications  
WO2011093805A1, Patent, CHAPTER H Electricity, Initial Registration, 2011

## Citations

Total Citations (WOS):313

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