

Prof. Dr. MUSTAFA KUZUOĞLU

Kişisel Bilgiler

İş Telefonu: [+90 312 210 2308](tel:+903122102308)

E-posta: kuzuoglu@metu.edu.tr

Web: <https://avesis.metu.edu.tr/kuzuoglu>

Uluslararası Araştırmacı ID'leri

ScholarID: TNUCgOAAAAAJ

ORCID: 0000-0002-3599-0644

Publons / Web Of Science ResearcherID: ABB-8996-2020

ScopusID: 7004156299

Yoksis Araştırmacı ID: 164994

Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 1981 - 1986

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 1979 - 1981

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 1975 - 1979

Yaptığı Tezler

Doktora, A new finite element method for electromagnetic boundary value problems in combined interior and exterior regions, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1986

Yüksek Lisans, Transient radiation and scattering from thin wires and conducting cylinders of arbitrary cross-section, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1981

Araştırma Alanları

Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1998 - Devam Ediyor

Yönetilen Tezler

KUZUOĞLU M., Group representation theory and radar ambiguity functions, Yüksek Lisans, E.BERK(Öğrenci), 2022

KUZUOĞLU M., Modeling monostatic sea clutter at low grazing angles by using method of moments, Yüksek Lisans, E.ÖZBAŞ(Öğrenci), 2021

KUZUOĞLU M., Optik mikro-yankılayıcılarda çok kısa süreli kaynak dalgaları ile elektromanyetik dalgaların süper-kazançlı genlik yükseltimi, Doktora, Ö.Emre(Öğrenci), 2020

Kuzuoğlu M., Detection of mini/micro unmanned air vehicle (UAV) under clutter presence and environmental effects, Yüksek Lisans, İ.GÖKHAN(Öğrenci), 2019

Kuzuoğlu M., Radar resource allocation optimization in phased array radar systems, Yüksek Lisans, İ.SERBEST(Öğrenci), 2019

KUZUOĞLU M., Radar performance analysis approaches for the evaluation of radar systems, Yüksek Lisans, Ü.YENER(Öğrenci), 2018

KUZUOĞLU M., Finite element modeling of scattering from objects in rectangular waveguides, Yüksek Lisans, H.GÜLBAŞ(Öğrenci), 2017

KUZUOĞLU M., Continuous-time nonlinear estimation filters using UKF-aided Gaussian sum representations, Doktora, M.GÖKCE(Öğrenci), 2014

KUZUOĞLU M., Zamanda sonlu farklar yöntemiyle materyal ve şekil belirsizliklerinin radar kesit alanına etkilerinin Monte Carlo yaklaşımıyla analiz edilmesi, Yüksek Lisans, A.Kemal(Öğrenci), 2013

KUZUOĞLU M., Investigation of rough surface scattering of electromagnetic waves using finite element method, Yüksek Lisans, Ö.EMRE(Öğrenci), 2013

KUZUOĞLU M., Monte Carlo analysis of the effects of material and shape uncertainties on radar cross section by the finite difference time domain method, Yüksek Lisans, A.KEMAL(Öğrenci), 2013

KUZUOĞLU M., Comparison of Bayesian networks and Dempster-Shafer theory in attribute tracking systems, Yüksek Lisans, Ç.SAKA(Öğrenci), 2013

KUZUOĞLU M., Optimum search strategies for electronic support measures receivers, Yüksek Lisans, H.SİNAN(Öğrenci), 2012

KUZUOĞLU M., TANIK Y., Low elevation target detection and direction finding, Yüksek Lisans, G.UYAR(Öğrenci), 2012

KUZUOĞLU M., ALATAN L., Analysis and design of microstrip patch antennas with arbitrary slot shapes, Doktora, G.ŞENER(Öğrenci), 2011

KUZUOĞLU M., Target tracking with phased array radar by using adaptive update rate, Yüksek Lisans, Ö.İPEK(Öğrenci), 2010

KUZUOĞLU M., Solution of the antenna placement problem by means of global optimization techniques, Yüksek Lisans, M.URAL(Öğrenci), 2010

KUZUOĞLU M., Anten yerleştirme probleminin tümel optimizasyon yöntemleri ile çözümlenmesi, Yüksek Lisans, M.Ural(Öğrenci), 2010

KUZUOĞLU M., Periodic search strategies for electronic countermeasure receivers with desired probability of intercept for each frequency band, Yüksek Lisans, E.KÖKSAL(Öğrenci), 2010

KUZUOĞLU M., Computation of radar cross sections of complex targets by shooting and bouncing ray method, Yüksek Lisans, S.ÖZGÜN(Öğrenci), 2009

KUZUOĞLU M., Multiple classifier systems for a generic missile warner, Yüksek Lisans, K.BAŞIBÜYÜK(Öğrenci), 2009

KUZUOĞLU M., Computation of radar cross sections of complex targets by physical optics with modified surface normals, Yüksek Lisans, A.CEMAL(Öğrenci), 2008

KUZUOĞLU M., Investigation of electromagnetic wave propagation in double negative materials, Doktora, S.GÖKÇEN(Öğrenci), 2008

KUZUOĞLU M., Elektromanyetik ışınım, Doktora, Ö.Özgün(Öğrenci), 2007

KUZUOĞLU M., Finite element modeling of electromagnetic radiation/scattering problems by domain decomposition, Doktora, Ö.ÖZGÜN(Öğrenci), 2007

KUZUOĞLU M., Finite element modeling of electromagnetic scattering problems via hexahedral edge elements, Doktora, A.EGEMEN(Öğrenci), 2007

KUZUOĞLU M., Performance metrics for fundamental estimation filters, Yüksek Lisans, K.AKÇAY(Öğrenci), 2005

KUZUOĞLU M., Evaluation of multi target tracking algorithms in the presence of clutter, Yüksek Lisans, O.GÜNER(Öğrenci), 2005

KUZUOĞLU M., Elektromanyetik saçınım mekanizmalarının iki boyutlu pencerelemiş fourier dönüşümü yöntemi ile tanımlanması, Yüksek Lisans, K.Egemen(Öğrenci), 2004

KUZUOĞLU M., Identification of electromagnetic scattering mechanisms by two dimensional windowed fourier

transform approach, Yüksek Lisans, KEGEMEN(Öğrenci), 2004

KUZUOĞLU M., Specific absorption rate calculations using finite difference time domain method, Yüksek Lisans, İ.TÜRER(Öğrenci), 2004

KUZUOĞLU M., Development of a software involving a group of iterative solvers and preconditioners for sparse matrix equations of computational electromagnetics, Yüksek Lisans, N.ÜNİSOY(Öğrenci), 2001

KUZUOĞLU M., Implementation of mesh generation algorithms, Yüksek Lisans, Ö.YILDIZ(Öğrenci), 2001

KUZUOĞLU M., Development of a mesh generation software for computational electromagnetics, Yüksek Lisans, B.BARIŞ(Öğrenci), 2000

KUZUOĞLU M., Analysis of electromagnetic scattering problems with the finite element method, Yüksek Lisans, Y.ASIM(Öğrenci), 2000

LEBLEBİCİOĞLU M. K., KUZUOĞLU M., A Four parameter atomic decomposition and the related time-frequency distribution, Doktora, A.BULTAN(Öğrenci), 1995

KUZUOĞLU M., Finite-dimensional state-space approximations of transient electromanyetic systems, Yüksek Lisans, N.KINAYMAN(Öğrenci), 1993

KUZUOĞLU M., Optimal control approach for the solution of electromagnetic inverse scattering problems, Doktora, M.ÖNDER(Öğrenci), 1993

KUZUOĞLU M., Finite-dimensional state-space approximations of transient Electromagnetic systems., Yüksek Lisans, N.Kinayman(Öğrenci), 1993

KUZUOĞLU M., Investigation and development of some algorithms in time optimal control, Yüksek Lisans, S.TUNÇÖZ(Öğrenci), 1992

KUZUOĞLU M., Iterative calculation of optimal output feedback matrices, Yüksek Lisans, K.YEHYA(Öğrenci), 1991

KUZUOĞLU M., Coherent detection of target signals in non Gaussian clutter, Yüksek Lisans, S.BAYRAKERİ(Öğrenci), 1990

KUZUOĞLU M., Radar range performance analysis for different target fluctuation models, Yüksek Lisans, M.EMRE(Öğrenci), 1989

KUZUOĞLU M., Analysis of microstrip and microstrip-like structures by the finite element method, Yüksek Lisans, T.AKDENİZ(Öğrenci), 1989

KUZUOĞLU M., A Finite element method for the solution of three-dimensional electromagnetic boundary value problems with real and artificial boundary conditions, Yüksek Lisans, Ü.PEKEL(Öğrenci), 1987

KUZUOĞLU M., A finite element method for the solution of three-dimensional electromagnetic boundary value problems with real and artificial boundary conditions, Yüksek Lisans, Ü.Pekel(Öğrenci), 1987

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Self-Tuning Locally-Conformal PML Mesh Truncation for 3D Vector Finite Element Method**
ÖZGÜN Ö., KUZUOĞLU M., Mitra R.
IEEE Transactions on Antennas and Propagation, cilt.72, sa.2, ss.2036-2040, 2024 (SCI-Expanded)
- II. **Parametrization-free locally-conformal perfectly matched layer method for finite element solution of Helmholtz equation**
ÖZGÜN Ö., KUZUOĞLU M., Beriot H., Mitra R.
Computer Physics Communications, cilt.288, 2023 (SCI-Expanded)
- III. **Analytic and numeric perturbation techniques approach for the solution of electromagnetic wave problems Elektromanyetik dalga yayılım ve saçılım problemlerine analitik ve sayısal pertürbasyon teknikleri ile çözüm yaklaşımı**
Akkaya M. K., YILMAZ A. E., KUZUOĞLU M.
Journal of the Faculty of Engineering and Architecture of Gazi University, cilt.39, sa.1, ss.299-314, 2023 (SCI-Expanded)
- IV. **Nanoscale optical parametric amplification through super-nonlinearity induction**
Aşırım Ö. E., KUZUOĞLU M.
Applied Nanoscience (Switzerland), cilt.12, sa.8, ss.2429-2441, 2022 (SCI-Expanded)
- V. **Nanoscale active tuning of the second harmonic generation efficiency in semiconductors from super-**

low to gigantic values

Asirim O. E., KUZUOĞLU M.

NEW JOURNAL OF PHYSICS, cilt.24, sa.8, 2022 (SCI-Expanded)

- VI. **Physics-based modeling of sea clutter phenomenon by a full-wave numerical solver**
ÖZGÜN Ö., KUZUOĞLU M.
WAVE MOTION, cilt.109, 2022 (SCI-Expanded)
- VII. **A novel beamforming emulating photonic nanojets for wireless relay networks**
Alabed S., Mahariq I., Salman M., KUZUOĞLU M.
Computers, Materials and Continua, cilt.69, sa.1, ss.575-588, 2021 (SCI-Expanded)
- VIII. **PETOOOL v2.0: Parabolic Equation Toolbox with evaporation duct models and real environment data**
ÖZGÜN Ö., Sahin V., Erguden M. E., Apaydin G., YILMAZ A. E., KUZUOĞLU M., SEVGİ L.
COMPUTER PHYSICS COMMUNICATIONS, cilt.256, 2020 (SCI-Expanded)
- IX. **Enhancement of optical parametric amplification in microresonators via gain medium parameter selection and mean cavity wall reflectivity adjustment**
Asirim O. E., KUZUOĞLU M.
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, cilt.53, sa.18, 2020 (SCI-Expanded)
- X. **High-Fidelity Harmonic Generation in Optical Micro-Resonators Using BFGS Algorithm**
Asirim O. E., Yolalmaz A., KUZUOĞLU M.
MICROMACHINES, cilt.11, sa.7, 2020 (SCI-Expanded)
- XI. **A novel CEM technique for modeling electromagnetic scattering from metasurfaces**
ÖZGÜN Ö., Mitra R., KUZUOĞLU M.
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, cilt.33, sa.2, 2020 (SCI-Expanded)
- XII. **Numerical Study of Resonant Optical Parametric Amplification via Gain Factor Optimization in Dispersive Microresonators**
Asirim O. E., KUZUOĞLU M.
PHOTONICS, cilt.7, sa.1, 2020 (SCI-Expanded)
- XIII. **Super-Gain Optical Parametric Amplification in Dielectric Micro-Resonators via BFGS Algorithm-Based Non-Linear Programming**
Asirim O. E., KUZUOĞLU M.
APPLIED SCIENCES-BASEL, cilt.10, sa.5, 2020 (SCI-Expanded)
- XIV. **A Domain Decomposition Finite-Element Method for Modeling Electromagnetic Scattering From Rough Sea Surfaces With Emphasis on Near-Forward Scattering**
ÖZGÜN Ö., KUZUOĞLU M.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.67, sa.1, ss.335-345, 2019 (SCI-Expanded)
- XV. **Coordinate transformation aided finite element method for contour detection of breast tumors in microwave imaging**
ÖZGÜN Ö., KUZUOĞLU M.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN BIOMEDICAL ENGINEERING, cilt.34, sa.10, 2018 (SCI-Expanded)
- XVI. **Remesh-Free Shape Optimization by Transformation Optics**
ÖZGÜN Ö., KUZUOĞLU M.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.64, sa.12, ss.5479-5482, 2016 (SCI-Expanded)
- XVII. **Implementation of coordinate transformations in periodic finite-element method for modeling rough surface scattering problems**
ÖZGÜN Ö., KUZUOĞLU M.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.26, sa.4, ss.322-329, 2016 (SCI-Expanded)
- XVIII. **Questioning Degree of Accuracy Offered by the Spectral Element Method in Computational Electromagnetics**
Mahariq I., KURT H., KUZUOĞLU M.

- APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, cilt.30, sa.7, ss.698-705, 2015 (SCI-Expanded)
- XIX. **Monte Carlo simulations of Helmholtz scattering from randomly positioned array of scatterers by utilizing coordinate transformations in finite element method**
ÖZGÜN Ö., KUZUOĞLU M.
WAVE MOTION, cilt.56, ss.165-182, 2015 (SCI-Expanded)
- XX. **Unscented Kalman filter-aided Gaussian sum filter**
Gokce M., KUZUOĞLU M.
IET RADAR SONAR AND NAVIGATION, cilt.9, sa.5, ss.589-599, 2015 (SCI-Expanded)
- XXI. **Excessive Memory Usage of the ELLPACK Sparse Matrix Storage Scheme throughout the Finite Element Computations**
Akinci G., YILMAZ A. E., KUZUOĞLU M.
RADIOENGINEERING, cilt.23, sa.4, ss.997-1004, 2014 (SCI-Expanded)
- XXII. **Approximation of transformation media-based reshaping action by genetic optimization**
Ozgun O., KUZUOĞLU M.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, cilt.117, sa.2, ss.597-604, 2014 (SCI-Expanded)
- XXIII. **Combining perturbation theory and transformation electromagnetics for finite element solution of Helmholtz-type scattering problems**
KUZUOĞLU M., Ozgun O.
JOURNAL OF COMPUTATIONAL PHYSICS, cilt.274, ss.883-897, 2014 (SCI-Expanded)
- XXIV. **Photonic Nanojet Analysis by Spectral Element Method**
Mahariq I., KUZUOĞLU M., TARMAN I. H., KURT H.
IEEE PHOTONICS JOURNAL, cilt.6, sa.5, 2014 (SCI-Expanded)
- XXV. **On the Attenuation of the Perfectly Matched Layer in Electromagnetic Scattering Problems with the Spectral Element Method**
Mahariq I., KUZUOĞLU M., TARMAN I. H.
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, cilt.29, sa.9, ss.701-710, 2014 (SCI-Expanded)
- XXVI. **Comments on "Propagation Modeling Over Irregular Terrain by the Improved Two-Way Parabolic Equation Method"**
Ozgun O., Apaydin G., KUZUOĞLU M., Sevgi L.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.62, sa.7, ss.3894, 2014 (SCI-Expanded)
- XXVII. **A coordinate transformation approach for efficient repeated solution of Helmholtz equation pertaining to obstacle scattering by shape deformations**
Ozgun O., KUZUOĞLU M.
COMPUTER PHYSICS COMMUNICATIONS, cilt.185, sa.6, ss.1616-1627, 2014 (SCI-Expanded)
- XXVIII. **Cartesian Grid Mapper: Transformation Media for Modeling Arbitrary Curved Boundaries With Cartesian Grids**
ÖZGÜN Ö., KUZUOĞLU M.
IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, cilt.13, ss.1771-1774, 2014 (SCI-Expanded)
- XXIX. **PERFORMANCE COMPARISON OF VARIOUS HEXAHEDRAL ELEMENT QUALITY METRICS VIA PARAMETRIC DISTORTION OF AN IDEAL ELEMENT**
Yalcin E., YILMAZ A. E., KUZUOĞLU M.
INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS, cilt.10, sa.4, 2013 (SCI-Expanded)
- XXX. **Monte Carlo analysis of ridged waveguides with transformation media**
Ozgun O., KUZUOĞLU M.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.23, sa.4, ss.476-481, 2013 (SCI-Expanded)
- XXXI. **Software metamaterials: Transformation media based multi-scale techniques for computational electromagnetics**
Ozgun O., KUZUOĞLU M.

- JOURNAL OF COMPUTATIONAL PHYSICS, cilt.236, ss.203-219, 2013 (SCI-Expanded)
- XXXII. **A Transformation Media Based Approach for Efficient Monte Carlo Analysis of Scattering From Rough Surfaces With Objects**
Ozgun O., KUZUOĞLU M.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.61, sa.3, ss.1352-1362, 2013 (SCI-Expanded)
- XXXIII. **Transformation Electromagnetics Based Analysis of Waveguides With Random Rough or Periodic Grooved Surfaces**
Ozgun O., KUZUOĞLU M.
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, cilt.61, sa.2, ss.709-719, 2013 (SCI-Expanded)
- XXXIV. **Transformation-based metamaterials to eliminate the staircasing error in the finite difference time domain method**
Ozgun O., KUZUOĞLU M.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.22, sa.4, ss.530-540, 2012 (SCI-Expanded)
- XXXV. **Monte Carlo-Based Characteristic Basis Finite-Element Method (MC-CBFEM) for Numerical Analysis of Scattering From Objects On/Above Rough Sea Surfaces**
Ozgun O., KUZUOĞLU M.
IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, cilt.50, sa.3, ss.769-783, 2012 (SCI-Expanded)
- XXXVI. **PETOO: MATLAB-based one-way and two-way split-step parabolic equation tool for radiowave propagation over variable terrain**
Ozgun O., Apaydin G., KUZUOĞLU M., Sevgi L.
COMPUTER PHYSICS COMMUNICATIONS, cilt.182, sa.12, ss.2638-2654, 2011 (SCI-Expanded)
- XXXVII. **A Novel Two-Way Finite-Element Parabolic Equation Groundwave Propagation Tool: Tests With Canonical Structures and Calibration**
Apaydin G., Ozgun O., KUZUOĞLU M., Sevgi L.
IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, cilt.49, sa.8, ss.2887-2899, 2011 (SCI-Expanded)
- XXXVIII. **Trying to Interpret Modern Art as a Finite-Element Practitioner**
YILMAZ A. E., KUZUOĞLU M.
IEEE ANTENNAS AND PROPAGATION MAGAZINE, cilt.53, sa.3, ss.158-166, 2011 (SCI-Expanded)
- XXXIX. **Form Invariance of Maxwell's Equations: The Pathway to Novel Metamaterial Specifications for Electromagnetic Reshaping**
Ozgun O., KUZUOĞLU M.
IEEE ANTENNAS AND PROPAGATION MAGAZINE, cilt.52, sa.3, ss.51-65, 2010 (SCI-Expanded)
- XL. **PO-BASED CHARACTERISTIC BASIS FINITE ELEMENT METHOD (CBFEM-PO)-A PARALLEL, ITERATION-FREE DOMAIN DECOMPOSITION ALGORITHM USING PERFECTLY MATCHED LAYERS FOR LARGE-SCALE ELECTROMAGNETIC SCATTERING PROBLEMS**
Ozgun O., Mittra R., KUZUOĞLU M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.52, sa.5, ss.1053-1060, 2010 (SCI-Expanded)
- XLI. **Iterative leap-field domain decomposition method: a domain decomposition finite element algorithm for 3D electromagnetic boundary value problems**
Ozgun O., KUZUOĞLU M.
IET MICROWAVES ANTENNAS & PROPAGATION, cilt.4, sa.4, ss.543-552, 2010 (SCI-Expanded)
- XLII. **Domain compression via anisotropic metamaterials designed by coordinate transformations**
Ozgun O., KUZUOĞLU M.
JOURNAL OF COMPUTATIONAL PHYSICS, cilt.229, sa.3, ss.921-932, 2010 (SCI-Expanded)
- XLIII. **General-Purpose Characteristic Basis Finite Element Method for Multi-Scale Electrostatic and Electromagnetic Problems**
Ozgun O., Mittra R., KUZUOĞLU M.
ELECTROMAGNETICS, cilt.30, ss.205-221, 2010 (SCI-Expanded)
- XLIV. **Computation of physical optics integral by Levin's integration algorithm**
Durgun A. C., KUZUOĞLU M.

- Progress In Electromagnetics Research M, cilt.6, ss.59-74, 2009 (SCI-Expanded)
- XLV. **Multilevel Characteristic Basis Finite-Element Method (ML-CBFEM)-An Efficient Version of a Domain Decomposition Algorithm for Large-Scale Electromagnetic Problems**
Ozgun O., Mittra R., KUZUOĞLU M.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.57, sa.10, ss.3381-3387, 2009 (SCI-Expanded)
- XLVI. **Design of the Square Loop Frequency Selective Surfaces with Particle Swarm Optimization via the Equivalent Circuit Model**
YILMAZ A. E., KUZUOĞLU M.
RADIOENGINEERING, cilt.18, sa.2, ss.95-102, 2009 (SCI-Expanded)
- XLVII. **A particle swarm optimization approach for hexahedral mesh smoothing**
Yilmaz A. E., KUZUOĞLU M.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS, cilt.60, sa.1, ss.55-78, 2009 (SCI-Expanded)
- XLVIII. **Parallelized Characteristic Basis Finite Element Method (CBFEM-MPI)-A non-iterative domain decomposition algorithm for electromagnetic scattering problems**
Ozgun O., Mittra R., KUZUOĞLU M.
JOURNAL OF COMPUTATIONAL PHYSICS, cilt.228, sa.6, ss.2225-2238, 2009 (SCI-Expanded)
- XLIX. **CBFEM-MPI: A Parallelized Version of Characteristic Basis Finite Element Method for Extraction of 3-D Interconnect Capacitances**
Ozgun O., Mittra R., KUZUOĞLU M.
IEEE TRANSACTIONS ON ADVANCED PACKAGING, cilt.32, sa.1, ss.164-174, 2009 (SCI-Expanded)
- L. **Form-Invariance of Maxwell's Equations in Waveguide Cross-Section Transformations**
Ozgun O., KUZUOĞLU M.
ELECTROMAGNETICS, cilt.29, sa.4, ss.353-376, 2009 (SCI-Expanded)
- LI. **Efficient finite element solution of low-frequency scattering problems via anisotropic metamaterial layers**
Ozgun O., KUZUOĞLU M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.50, sa.3, ss.639-646, 2008 (SCI-Expanded)
- LII. **Finite element analysis of electromagnetic scattering problems via iterative leap-field domain decomposition method**
Ozgun O., KUZUOĞLU M.
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, cilt.22, ss.251-266, 2008 (SCI-Expanded)
- LIII. **Recent advances in perfectly matched layers in finite element applications**
Ozgun O., KUZUOĞLU M.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.16, sa.1, ss.57-66, 2008 (SCI-Expanded)
- LIV. **Comparison of linear and quadratic hexahedral edge elements in electromagnetic scattering problems**
YILMAZ A., Kuzuglu M.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, cilt.62, sa.8, ss.582-587, 2008 (SCI-Expanded)
- LV. **ANALYSIS OF HIGH FREQUENCY PLANE WAVE SCATTERING FROM A DOUBLE NEGATIVE CYLINDER VIA THE MODIFIED WATSON TRANSFORMATION AND DEBYE EXPANSION**
ŞEN S., KUZUOĞLU M.
PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, cilt.84, ss.55-92, 2008 (SCI-Expanded)
- LVI. **My collaboration with Raj Mittra: Contributions to the theory of perfectly matched layers**
Kuzuglu M.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.16, sa.1, ss.1-6, 2008 (SCI-Expanded)
- LVII. **Near-field performance analysis of locally-conformal perfectly matched absorbers via Monte Carlo simulations**
Ozgun O., KUZUOĞLU M.

- JOURNAL OF COMPUTATIONAL PHYSICS, cilt.227, sa.2, ss.1225-1245, 2007 (SCI-Expanded)
- LVIII. **Calculation of optimized parameters of rectangular microstrip patch antenna using particle swarm optimization**
Yilmaz A. E., Kuzuoglu M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.49, sa.12, ss.2905-2907, 2007 (SCI-Expanded)
- LIX. **Utilization of anisotropic metamaterial layers in waveguide miniaturization and transitions**
Ozgun O., Kuzuoglu M.
IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS, cilt.17, sa.11, ss.754-756, 2007 (SCI-Expanded)
- LX. **Forward-backward domain decomposition method for finite element solution of electromagnetic boundary value problems**
Ozgun O., Kuzuoglu M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.49, sa.10, ss.2582-2590, 2007 (SCI-Expanded)
- LXI. **Electromagnetic metamorphosis: Reshaping scatterers via conformal anisotropic metamaterial coatings**
Ozgun O., Kuzuoglu M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.49, sa.10, ss.2386-2392, 2007 (SCI-Expanded)
- LXII. **Multicenter perfectly matched layer implementation for finite element mesh truncation**
Ozgun O., Kuzuoglu M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.49, sa.4, ss.827-832, 2007 (SCI-Expanded)
- LXIII. **Non-Maxwellian locally-conformal PML absorbers for finite element mesh truncation**
Ozgun O., Kuzuoglu M.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.55, sa.3, ss.931-937, 2007 (SCI-Expanded)
- LXIV. **Analysis of perfectly matched double negative layers via complex coordinate transformations**
Kuzuoglu M.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.54, sa.12, ss.3695-3699, 2006 (SCI-Expanded)
- LXV. **Locally-conformal perfectly matched layer implementation for finite element mesh truncation**
Ozgun O., Kuzuoglu M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.48, sa.9, ss.1836-1839, 2006 (SCI-Expanded)
- LXVI. **Full-wave analysis of microstrip lines on a highly lossy substrate**
Prakash V., Kuzuoglu M., Mitra R.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.37, sa.5, ss.325-329, 2003 (SCI-Expanded)
- LXVII. **Improved design procedure for double-ridged waveguides**
Prakash V., Mitra R., Kuzuoglu M.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.12, sa.6, ss.530-539, 2002 (SCI-Expanded)
- LXVIII. **An efficient solution of the generalized eigenvalue problems for planar transmission lines**
Prakash V., Kuzuoglu M., Mitra R.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.31, sa.3, ss.194-197, 2001 (SCI-Expanded)
- LXIX. **Pole estimation for arbitrarily-shaped dielectric targets using genetic algorithm-based resonance annihilation technique**
Turhan-Sayan G., Kuzuoglu M.
ELECTRONICS LETTERS, cilt.37, sa.6, ss.380-381, 2001 (SCI-Expanded)
- LXX. **A new anisotropic perfectly matched layer medium for mesh truncation in finite difference time domain analysis**
Tong M., Chen Y., Kuzuoglu M., Mitra R.
INTERNATIONAL JOURNAL OF ELECTRONICS, cilt.86, sa.9, ss.1085-1091, 1999 (SCI-Expanded)
- LXXI. **A robust algorithm for the solution of electromagnetic problems over a frequency interval via the Pade approximation**
Kuzuoglu M., Mitra R.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.20, sa.6, ss.376-380, 1999 (SCI-Expanded)
- LXXII. **Element solution of electromagnetic problems over a wide frequency range via the Pade**

approximation

Kuzuoglu M., Mitra R.

COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, cilt.169, ss.263-277, 1999 (SCI-Expanded)

LXXIII. Investigation of nonplanar perfectly matched absorbers for finite-element mesh truncation

Kuzuoglu M., Mitra R.

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.45, sa.3, ss.474-486, 1997 (SCI-Expanded)

LXXIV. Frequency dependence of the constitutive parameters of causal perfectly matched anisotropic absorbers

Kuzuoglu M., Mitra R.

IEEE MICROWAVE AND GUIDED WAVE LETTERS, cilt.6, sa.12, ss.447-449, 1996 (SCI-Expanded)

LXXV. Infinite-dimensional multilayer perceptrons

Kuzuoglu M., Leblebicioglu K.

IEEE TRANSACTIONS ON NEURAL NETWORKS, cilt.7, sa.4, ss.889-896, 1996 (SCI-Expanded)

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

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

PHYSIOLOGICAL MEASUREMENT, cilt.16, sa.2, ss.77-90, 1995 (SCI-Expanded)

LXXVII. ELECTRICAL-IMPEDANCE TOMOGRAPHY USING INDUCED CURRENTS

GENCER N. G., KUZUOĞLU M., İDER Y.

IEEE TRANSACTIONS ON MEDICAL IMAGING, cilt.13, sa.2, ss.338-350, 1994 (SCI-Expanded)

LXXVIII. A FAST IMAGE-RECONSTRUCTION ALGORITHM FOR ELECTRICAL-IMPEDANCE TOMOGRAPHY

KUZUOĞLU M., LEBLEBİCİOĞLU K., İDER Y.

PHYSIOLOGICAL MEASUREMENT, cilt.15, 1994 (SCI-Expanded)

LXXIX. RECONSTRUCTION OF PERMITTIVITY AND CONDUCTIVITY PROFILES OF A DIELECTRIC SLAB IN THE TIME DOMAIN BY DESCENT METHODS

ONDER M., KUZUOĞLU M.

IEE PROCEEDINGS-H MICROWAVES ANTENNAS AND PROPAGATION, cilt.139, sa.5, ss.435-440, 1992 (SCI-Expanded)

LXXX. OPTIMAL-CONTROL OF THE FEED VOLTAGE OF A DIPOLE ANTENNA

ONDER M., KUZUOĞLU M.

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.40, sa.4, ss.414-421, 1992 (SCI-Expanded)

LXXXI. DETERMINATION OF THE BOUNDARY OF AN OBJECT INSERTED INTO A WATER-FILLED CYLINDER

İDER Y., NAKİBOĞLU B., KUZUOĞLU M., GENCER N.

CLINICAL PHYSICS AND PHYSIOLOGICAL MEASUREMENT, cilt.13, ss.151-154, 1992 (SCI-Expanded)

LXXXII. ELECTRICAL-IMPEDANCE TOMOGRAPHY USING INDUCED AND INJECTED CURRENTS

GENCER N., İDER Y., KUZUOĞLU M.

CLINICAL PHYSICS AND PHYSIOLOGICAL MEASUREMENT, cilt.13, ss.95-99, 1992 (SCI-Expanded)

LXXXIII. ANALYSIS OF 3-DIMENSIONAL SOFTWARE EIT PHANTOMS BY THE FINITE-ELEMENT METHOD

KUZUOĞLU M., MOHDSAİD M., İDER Y.

CLINICAL PHYSICS AND PHYSIOLOGICAL MEASUREMENT, cilt.13, ss.135-138, 1992 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. Plasmonic tuning of nano-antennas for super-gain light amplification

Aşırım Ö. E., KUZUOĞLU M.

JPhys Photonics, cilt.6, sa.2, 2024 (ESCI)

II. Predictive Modeling of Light–Matter Interaction in One Dimension: A Dynamic Deep Learning Approach

Aşırım Ö. E., Asirim E. Z., KUZUOĞLU M.

Applied System Innovation, cilt.7, sa.1, 2024 (ESCI)

- III. **An Efficient Numerical Approach for Evaluating Sommerfeld Integrals Arising in the Construction of Green's Functions for Layered Media**
ÖZGÜN Ö., Mitra R., KUZUOĞLU M.
IEEE Journal on Multiscale and Multiphysics Computational Techniques, cilt.7, ss.328-335, 2022 (ESCI)
- IV. **Perturbation-Asymptotic Series Approach for an Electromagnetic Wave Problem in an Epsilon Near Zero (ENZ) Material**
Akkaya M. K., YILMAZ A. E., KUZUOĞLU M.
ADVANCED ELECTROMAGNETICS, cilt.11, sa.1, ss.30-40, 2022 (ESCI)
- V. **Multiscale Modeling of Thin-Wire Coupling Problems Using Hybridization of Finite Element and Dipole Moment Methods and GPU Acceleration**
ÖZGÜN Ö., Mitra R., KUZUOĞLU M.
IEEE JOURNAL ON MULTISCALE AND MULTIPHYSICS COMPUTATIONAL TECHNIQUES, cilt.5, ss.155-166, 2020 (ESCI)
- VI. **On the Accuracy of Spectral Element Method in Electromagnetic Scattering Problems**
Mahariq İ., TARMAN I. H., KUZUOĞLU M.
International Journal of Computer Theory and Engineering, cilt.6, sa.6, ss.495-499, 2014 (Hakemli Dergi)

Kitap & Kitap Bölümleri

- I. **MATLAB-based Finite Element Programming in Electromagnetic Modeling**
Özgün Ö., Kuzuoğlu M.
CRC, New York , New-York, 2018
- II. **A systematic study of perfectly matched absorbers**
KUZUOĞLU M., Mitra R.
Frontiers in Electromagnetics, Douglas H. Werner, Raj Mittra, Editör, Wiley, ss.609-643, 1999

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **High Harmonic Generation via Cascaded Frequency-Doubling Under Sequential Active-Tuning**
Asirim Ö., KUZUOĞLU M.
4th URSI Atlantic Radio Science Meeting, AT-RASC 2024, Meloneras, İspanya, 19 - 24 Mayıs 2024
- II. **LC-PML-log: A New Locally-Conformal PML Method with Logarithmic Decay Function for Finite Element Method**
ÖZGÜN Ö., Bural B., KUZUOĞLU M., Mitra R.
2024 IEEE International Symposium on Antennas and Propagation and INC/USNCURSI Radio Science Meeting, AP-S/INC-USNC-URSI 2024, Florence, İtalya, 14 - 19 Temmuz 2024, ss.2261-2262
- III. **GPU-Accelerated Shooting and Bouncing Ray Method for Inverse Synthetic Aperture Radar Imaging**
Bural B., ÖZGÜN Ö., YILMAZ A. E., KUZUOĞLU M.
32nd International Conference on Radioelectronics (RADIOELECTRONICS), Koshice, Slovakia, 21 - 22 Nisan 2022, ss.1-4
- IV. **Fast Computation of Sommerfeld Integrals in Planar Multilayered Media**
Özgün Ö., Li C., Kuzuoğlu M., Mitra R.
URSI GASS 2021 - XXXIV General Assembly and Scientific Symposium of the International Union of Radio Science, Rome, İtalya, 28 Ağustos - 04 Eylül 2021, ss.1
- V. **Efficient Computation of Green's Functions for Multilayer Media in the Context of 5G Applications**
Mitra R., ÖZGÜN Ö., Li C., KUZUOĞLU M.
15th European Conference on Antennas and Propagation, EuCAP 2021, Düsseldorf, Almanya, 22 - 26 Mart 2021
- VI. **An Efficient Approach for Evaluation of Multilayered Media Green's Functions**
ÖZGÜN Ö., Li C., KUZUOĞLU M., Mitra R.

- 2021 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, APS/URSI 2021, Singapore, Singapur, 4 - 10 Aralık 2021, ss.1107-1108
- VII. **A Novel Numerical Technique for Analyzing Metasurfaces**
ÖZGÜN Ö., Mittra R., KUZUOĞLU M.
2019 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, Atlanta, GA, USA, Amerika Birleşik Devletleri, 7 - 12 Temmuz 2019
- VIII. **Finite Element Domain Decomposition Method for Rough Sea Surface Scattering**
ÖZGÜN Ö., KUZUOĞLU M.
2019 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, Atlanta, GA, USA, Amerika Birleşik Devletleri, 7 - 12 Temmuz 2019
- IX. **Modeling and Analysis of Sea Clutter by a Novel Numerical Method**
ÖZGÜN Ö., KUZUOĞLU M.
The 7th Advanced Electromagnetics Symposium (AES), Lizbon, Portekiz, 24 - 26 Temmuz 2019
- X. **An Efficient Domain Cascading Approach for Linear Discontinuous Galerkin Schemes**
Doğan D., KUZUOĞLU M.
European Conference on Antennas and Propagation (EuCAP), Londra, Birleşik Krallık, 9 - 13 Nisan 2018
- XI. **A Microwave Imaging Model for Biomedical Applications**
ÖZGÜN Ö., KUZUOĞLU M.
International Symposium of IEEE-Antennas-and-Propagation-Society / USNC/URSI National Radio Science Meeting, California, Amerika Birleşik Devletleri, 9 - 14 Temmuz 2017, ss.2373-2374
- XII. **Finite Element Modeling of Anisotropic Half-Space Problems by a Simple Mesh Truncation Scheme**
ÖZGÜN Ö., KUZUOĞLU M.
International Symposium of IEEE-Antennas-and-Propagation-Society / USNC/URSI National Radio Science Meeting, California, Amerika Birleşik Devletleri, 9 - 14 Temmuz 2017, ss.1581-1582
- XIII. **A Numerical Model for Investigating the Effect of Rough Surface Parameters on Radar Cross Section Statistics**
KUZUOĞLU M., ÖZGÜN Ö.
International Symposium of IEEE-Antennas-and-Propagation-Society / USNC/URSI National Radio Science Meeting, California, Amerika Birleşik Devletleri, 9 - 14 Temmuz 2017, ss.1837-1838
- XIV. **A Microwave Imaging Method based on Transformation Electromagnetics**
KUZUOĞLU M., ÖZGÜN Ö.
10th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics (METAMATERIALS), Chania, Yunanistan, 19 - 22 Eylül 2016, ss.262-264
- XV. **Numerical Modeling of Electromagnetic Scattering from Periodic Structures by Transformation Electromagnetics**
ÖZGÜN Ö., KUZUOĞLU M.
10th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics (METAMATERIALS), Chania, Yunanistan, 19 - 22 Eylül 2016, ss.259-261
- XVI. **Stochastic Modeling in Computational Electromagnetics by Coordinate Transformations**
ÖZGÜN Ö., KUZUOĞLU M.
The Third International EMC Conference, 2 - 04 Eylül 2015
- XVII. **A Hybrid Perturbational and Transformational Electromagnetics Approach for Modeling Rough Surface Scattering Problems**
KUZUOĞLU M., ÖZGÜN Ö.
IEEE International Symposium on Antennas and Propagation / USNC/URSI National North American Radio Science Meeting, Vancouver, Kanada, 19 - 24 Temmuz 2015, ss.282-283
- XVIII. **Modeling Electromagnetic Scattering from Random Array of Objects by Form Invariance of Maxwell's Equations**
ÖZGÜN Ö., KUZUOĞLU M.
IEEE International Symposium on Antennas and Propagation / USNC/URSI National North American Radio Science Meeting, Vancouver, Kanada, 19 - 24 Temmuz 2015, ss.284-285

- XIX. **Analysis of Scattering from Perfect Electric Conducting Cylinders by Spectral Element Method**
Mahariq I., ARPACI İ., KUZUOĞLU M.
Computational Electromagnetics International Workshop (CEM), İzmir, Türkiye, 1 - 04 Temmuz 2015, ss.22-23
- XX. **Parabolic Equation Toolbox for Radio Wave Propagation**
ÖZGÜN Ö., Apaydin G., KUZUOĞLU M., SEVGİ L.
USNC-URSI Radio Science Meeting (Joint with AP-S Symposium) Proceedings, Vancouver, Kanada, 19 Temmuz 2015, ss.259
- XXI. **Modeling and Predicting Surface Roughness via Transformation Optics**
Ozgun O., KUZUOĞLU M.
8th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics (Metamaterials), Copenhagen, Danimarka, 25 - 28 Ağustos 2014
- XXII. **Continuous-time Nonlinear Estimation Filters Using UKF-aided Gaussian Sum Representations**
Gokce M., KUZUOĞLU M.
16th International Conference on Information Fusion (FUSION), İstanbul, Türkiye, 9 - 12 Temmuz 2013, ss.2097-2102
- XXIII. **How Generous is the ELLPACK Sparse Matrix Storage Scheme for Finite Element Computations**
Akinci G., YILMAZ A. E., KUZUOĞLU M.
9th International Conference on Electronics Computer and Computation (ICECCO 2012), Ankara, Türkiye, 1 - 03 Kasım 2012, ss.146-149
- XXIV. **Reduction of the Staircasing Error in Finite Methods by Using Transformation Media**
KUZUOĞLU M., Ozgun O.
Progress In Electromagnetics Research Symposium (PIERS), Moscow, Rusya, 19 - 23 Ağustos 2012, ss.707-710
- XXV. **Designing Transformation-based Metamaterials for Numerical Modeling of Low Frequency Electromagnetic Scattering**
Ozgun O., KUZUOĞLU M.
Progress In Electromagnetics Research Symposium (PIERS), Moscow, Rusya, 19 - 23 Ağustos 2012, ss.981-984
- XXVI. **Numerical Solution of Multi-scale Electromagnetic Boundary Value Problems by Utilizing Transformation-Based Metamaterials**
Ozgun O., KUZUOĞLU M.
11th International Conference on Computational Science and Its Applications (ICCSA), Santander, İspanya, 20 - 23 Haziran 2011, cilt.6785, ss.11-25
- XXVII. **Two way split step parabolic equation algorithm for tropospheric propagation Tests and comparisons**
ÖZGÜN Ö., APAYDIN G., KUZUOĞLU M., SEVGİ L.
2010 10th Mediterranean Microwave Symposium, Guzelyurt, Turkey, 25 - 27 Ağustos 2010
- XXVIII. **Finite Element/Dipole Moment Method for Efficient Solution of Multiscale Electromagnetic Problems**
Ozgun O., Mittra R., KUZUOĞLU M.
2010 IEEE International Symposium Antennas and Propagation/CNC-USNC/URSI Radio Science Meeting, Toronto, Kanada, 11 - 17 Temmuz 2010
- XXIX. **Transformation Media for Efficient Numerical Modeling of Finite Methods**
KUZUOĞLU M., Ozgun O.
2010 IEEE International Symposium Antennas and Propagation/CNC-USNC/URSI Radio Science Meeting, Toronto, Kanada, 11 - 17 Temmuz 2010
- XXX. **Solution of Large Scattering Problems using a Multilevel Scheme in the context of Characteristic Basis Finite Element Method**
Ozgun O., Mittra R., KUZUOĞLU M.
2010 IEEE International Symposium Antennas and Propagation/CNC-USNC/URSI Radio Science Meeting, Toronto, Kanada, 11 - 17 Temmuz 2010
- XXXI. **Two-way Fourier Split Step Algorithm over Variable Terrain with Narrow and Wide Angle Propagators**
Ozgun O., Apaydin G., KUZUOĞLU M., Sevgi L.

- 2010 IEEE International Symposium Antennas and Propagation/CNC-USNC/URSI Radio Science Meeting, Toronto, Kanada, 11 - 17 Temmuz 2010
- XXXII. **Two-way Split-Step Fourier and Finite Element based Parabolic Equation Propagation Tools: Comparisons and Calibration**
Apaydin G., Ozgun O., KUZUOĞLU M., Sevgi L.
2010 IEEE International Symposium Antennas and Propagation/CNC-USNC/URSI Radio Science Meeting, Toronto, Kanada, 11 - 17 Temmuz 2010
- XXXIII. **Use of Matrix Pade Approximation in the Analysis of Irregularly Shaped Patch Antennas with Multiport Network Model**
Sener G., ALATAN L., KUZUOĞLU M.
International Conference on Electromagnetics in Advanced Applications (ICEAA 2009), Torino, İtalya, 14 - 18 Eylül 2009, ss.630-631
- XXXIV. **A Version of the Characteristic Basis Finite Element Method (CBFEM) by Utilizing Physical Optics for Large-scale Electromagnetic Problems**
Ozgun O., Mittra R., KUZUOĞLU M.
IEEE Antennas and Propagation International Symposium /USNC/URSI National Radio Science Meeting, South-Carolina, Amerika Birleşik Devletleri, 1 - 05 Haziran 2009, ss.497-498
- XXXV. **Design of Irregularly Shaped Patch Antennas by using the Multiport Network Model**
Sener G., ALATAN L., KUZUOĞLU M.
IEEE Antennas-and-Propagation-Society International Symposium, California, Amerika Birleşik Devletleri, 5 - 11 Temmuz 2008, ss.4359-4360
- XXXVI. **A Non-iterative Domain Decomposition Method for Finite Element Analysis of 3D Electromagnetic Scattering Problems**
Ozgun O., KUZUOĞLU M.
IEEE Antennas-and-Propagation-Society International Symposium, California, Amerika Birleşik Devletleri, 5 - 11 Temmuz 2008, ss.4142-4145
- XXXVII. **Electromagnetic Reshaping via Anisotropic Metamaterials**
Ozgun O., KUZUOĞLU M.
IEEE Antennas-and-Propagation-Society International Symposium, California, Amerika Birleşik Devletleri, 5 - 11 Temmuz 2008, ss.3259-3262
- XXXVIII. **Characteristic Basis Finite Element Method (CBFEM) - A Non-iterative Domain Decomposition Finite Element Algorithm for Solving Electromagnetic Scattering Problems**
Ozgun O., Mittra R., KUZUOĞLU M.
IEEE Antennas-and-Propagation-Society International Symposium, California, Amerika Birleşik Devletleri, 5 - 11 Temmuz 2008, ss.4130-4131
- XXXIX. **Conformal perfectly matched absorbers in finite element mesh truncation**
Kuzuoglu M., Dundar B., Mittra R.
2000 IEEE Antennas-and-Propagation-Society International Symposium, Utah, Amerika Birleşik Devletleri, 16 - 21 Temmuz 2000, ss.1176-1179
- XL. **SOURCE IDENTIFICATION BY LAGRANGE MULTIPLIERS**
KUZUOĞLU M.
IEEE Antennas-and-Propagation-Society International Symposium 1994, Washington, Amerika Birleşik Devletleri, 19 - 24 Haziran 1994, ss.2292-2295
- XLI. **INTERFERENCE CALCULATIONS FOR AN S-CDMA CELLULAR RADIO SYSTEM**
TAMK Y., KUZUOĞLU M.
7th Mediterranean Electrotechnical Conference (MeleCON 94), Antalya, Türkiye, 12 - 14 Nisan 1994, ss.121-124

Desteklenen Projeler

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