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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: O-3071-2017

ScopusID: 55516241200

Yoksis Araştırmacı ID: 302004

Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, Fen, Türkiye 2013 - 2016

Yüksek Lisans, Yıldız Teknik Üniversitesi, Fen, Türkiye 2011 - 2012

Lisans, Yıldız Teknik Üniversitesi, Elektrik Elektronik, Türkiye 2007 - 2011

Yabancı Diller

İngilizce, B2 Orta Üstü

Farsca, C1 İleri

Yaptığı Tezler

Doktora, Novel design methods for high performance filtenna and lna design for microwave sensor applications, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitü, Elektronik Ve Haberleşme, 2016

Yüksek Lisans, Honey bee mating algorithm applied to design low noise microstrip amplifier, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitü, Elektronik Ve Haberleşme, 2012

Araştırma Alanları

Elektrik-Elektronik Mühendisliği, Elektromanyetik, Değiştirilmiş Toprak Düzlemler Yapılar, Elektromanyetik Dalgalar, Antenler ve Propagasyon, Pasif Mikrodalga Devreler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Doç. Dr., Yıldız Teknik Üniversitesi, Uygulamalı Bilimler Fakültesi, Havacılık Elektroniği, 2022 - Devam Ediyor

Öğretim Görevlisi Dr., Yıldız Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektronik Ve Hab.Müh.Böl, 2016 - 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Variable data structures and customized deep learning surrogates for computationally efficient and reliable characterization of buried objects**
Yurt R., TORPİ H., KIZILAY A., Koziel S., MAHOUTİ P.
Scientific reports, cilt.14, sa.1, ss.14898, 2024 (SCI-Expanded)
- II. **Detection and classification of human respiration under building debris model using VHF/UHF waves**
Niyaz Ö., Tüylü T., Mahouti P., Erkmen B., Tokan N. T.
NEURAL COMPUTING AND APPLICATIONS, cilt.36, ss.1-17, 2024 (SCI-Expanded)
- III. **Data driven surrogate modeling of horn antennas for optimal determination of radiation pattern and size using deep learning**
PİLTAN O. C., KIZILAY A., Belen M. A., MAHOUTİ P.
Microwave and Optical Technology Letters, cilt.66, sa.1, 2024 (SCI-Expanded)
- IV. **Knowledge-Based Methodology of CPW-Fed Open Stub Loaded C-Shaped Microstrip Antenna by Surrogate-Based Modeling**
Gocen C., Akdag I., Mahouti T., Belen M. A., Palandoken M., MAHOUTİ P.
International Journal of RF and Microwave Computer-Aided Engineering, cilt.2024, 2024 (SCI-Expanded)
- V. **Deep-learning-based precise characterization of microwave transistors using fully-automated regression surrogates**
Calik N., GÜNEŞ F., Koziel S., Pietrenko-Dabrowska A., Belen M. A., MAHOUTİ P.
Scientific Reports, cilt.13, sa.1, 2023 (SCI-Expanded)
- VI. **Optimal design of transmitarray antennas via low-cost surrogate modelling**
Belen M. A., ÇALIŞKAN A., Koziel S., Pietrenko-Dabrowska A., MAHOUTİ P.
Scientific Reports, cilt.13, sa.1, 2023 (SCI-Expanded)
- VII. **Buried object characterization by data-driven surrogates and regression-enabled hyperbolic signature extraction**
Yurt R., TORPİ H., KIZILAY A., Koziel S., Pietrenko-Dabrowska A., MAHOUTİ P.
Scientific Reports, cilt.13, sa.1, 2023 (SCI-Expanded)
- VIII. **Design and Realization of Broadband Active Inductor Based Band Pass Filter**
Belen A., Belen M. A., Palandöken M., Mahouti P., Tari Ö.
CHINESE JOURNAL OF ELECTRONICS, cilt.32, sa.4, ss.731-735, 2023 (SCI-Expanded)
- IX. **Data-Driven Surrogate-Assisted Optimization of Metamaterial-Based Filtenna Using Deep Learning**
MAHOUTİ P., Belen A., Tari O., Belen M. A., KARAHAN S., Koziel S.
Electronics (Switzerland), cilt.12, sa.7, 2023 (SCI-Expanded)
- X. **A novel near field radiation shaping technique by using data driven surrogate based optimization for nondestructive hyperthermia**
Unal M., Mahouti P., Turk A. S.
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, cilt.36, sa.2, 2023 (SCI-Expanded)
- XI. **Reliable Computationally Efficient Behavioral Modeling of Microwave Passives Using Deep Learning Surrogates in Confined Domains**
Koziel S., Calik N., MAHOUTİ P., Belen M. A.
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, cilt.71, sa.3, ss.956-968, 2023 (SCI-Expanded)
- XII. **Data Driven Surrogate Modeling of Phase Array Antennas Using Deep Learning for Millimetric Band Applications**
Tulum M. A., TÜRK A. S., MAHOUTİ P.
IEEE Access, cilt.11, ss.114415-114423, 2023 (SCI-Expanded)
- XIII. **Rapid Design of 3D Reflectarray Antennas by Inverse Surrogate Modeling and Regularization**
Koziel S., Belen M. A., ÇALIŞKAN A., MAHOUTİ P.
IEEE Access, cilt.11, ss.24175-24184, 2023 (SCI-Expanded)
- XIV. **Buried Object Characterization Using Ground Penetrating Radar Assisted by Data-Driven Surrogate-Models**

- Yurt R., TORPİ H., MAHOUTİ P., KIZILAY A., Koziel S.
IEEE Access, cilt.11, ss.13309-13323, 2023 (SCI-Expanded)
- XV. **Low-Cost and Highly-Accurate Behavioral Modeling of Antenna Structures by Means of Knowledge-Based Domain-Constrained Deep Learning Surrogates**
Koziel S., Calik N., Mahouti P., Belen M. A.
IEEE Transactions on Antennas and Propagation, cilt.71, sa.1, ss.105-118, 2023 (SCI-Expanded)
- XVI. **Computationally Efficient Surrogate-Assisted Design of Pyramidal-Shaped 3D Reflectarray Antennas**
MAHOUTİ P., Belen M. A., Calik N., Koziel S.
IEEE Transactions on Antennas and Propagation, cilt.70, sa.11, ss.10777-10786, 2022 (SCI-Expanded)
- XVII. **3D EM data driven surrogate based design optimization of traveling wave antennas for beam scanning in X-band: an application example**
Belen A., GÜNEŞ F., Palandoken M., Tari O., Belen M. A., Mahouti P.
Wireless Networks, cilt.28, sa.4, ss.1827-1834, 2022 (SCI-Expanded)
- XVIII. **Accurate Modeling of Antenna Structures by Means of Domain Confinement and Pyramidal Deep Neural Networks**
Koziel S., ÇALIK N., MAHOUTİ P., Belen M. A.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.70, sa.3, ss.2174-2188, 2022 (SCI-Expanded)
- XIX. **Ensemble-based surrogate modeling of microwave antennas using XGBoost algorithm**
Kalayci H., Ayten U. E., Mahouti P.
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, cilt.35, sa.2, 2022 (SCI-Expanded)
- XX. **Surrogate-Based Design Optimization of Multi-Band Antenna**
Belen A., Tari O., MAHOUTİ P., Belen M. A., ÇALIŞKAN A.
Applied Computational Electromagnetics Society Journal, cilt.37, sa.1, ss.34-40, 2022 (SCI-Expanded)
- XXI. **Optimal characterization of a microwave transistor using grey wolf algorithms**
Kiani F., Seyyedabbasi A., MAHOUTİ P.
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, cilt.109, sa.3, ss.599-609, 2021 (SCI-Expanded)
- XXII. **Design Optimization of Ultra-Wideband Vivaldi Antenna using Artificial Intelligence**
Mahouti P., Klzllay A., Tari O., Belen A., Belen M. A., ÇALIŞKAN A.
Applied Computational Electromagnetics Society Journal, cilt.36, sa.12, ss.1594-1601, 2021 (SCI-Expanded)
- XXIII. **Microstrip leaky wave antenna for wide range of beam scanning in X band**
Belen A., GÜNEŞ F., Belen M. A., MAHOUTİ P.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.63, sa.10, ss.2646-2650, 2021 (SCI-Expanded)
- XXIV. **A compact triband antipodal Vivaldi antenna with frequency selective surface inspired director for IoT/WLAN applications**
Gunes F., Evranos I. O., Belen M. A., Mahouti P., Palandoken M.
WIRELESS NETWORKS, cilt.27, sa.5, ss.3195-3205, 2021 (SCI-Expanded)
- XXV. **Physical parameter-based data-driven modeling of small signal parameters of a metal-semiconductor field-effect transistor**
Satilmis G., GÜNEŞ F., MAHOUTİ P.
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- XXVI. **Gain Enhancement of a Traditional Horn Antenna using 3D Printed Square-Shaped Multi-layer Dielectric Lens for X-band Applications**
Belen A., MAHOUTİ P., GÜNEŞ F., Tari O.
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- XXVII. **Improved Modeling of Microwave Structures Using Performance-Driven Fully-Connected Regression Surrogate**
Koziel S., MAHOUTİ P., ÇALIK N., Belen M. A., Szczepanski S.
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- XXVIII. **Accurate Modeling of Frequency Selective Surfaces Using Fully-Connected Regression Model With Automated Architecture Determination and Parameter Selection Based on Bayesian Optimization**
ÇALIK N., Belen M. A., MAHOUTI P., Koziel S.
IEEE ACCESS, cilt.9, ss.38396-38410, 2021 (SCI-Expanded)
- XXIX. **On Decomposition-Based Surrogate-Assisted Optimization of Leaky Wave Antenna Input Characteristics for Beam Scanning Applications**
Belen M. A., Mahouti P., Koziel S., Çalışkan A., Szczepanski S.
IEEE ACCESS, cilt.9, ss.161318-161325, 2021 (SCI-Expanded)
- XXX. **3D printed wideband flat gain multilayer nonuniform reflectarray antenna for X-band applications**
Belen A., GÜNEŞ F., Belen M. A., MAHOUTI P.
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, cilt.33, sa.6, 2020 (SCI-Expanded)
- XXXI. **Artificial neural network application for novel 3D printed nonuniform ceramic reflectarray antenna**
Mahouti M., KUŞKONMAZ N., Mahouti P., Belen M. A., Palandoken .
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, cilt.33, sa.6, 2020 (SCI-Expanded)
- XXXII. **Design Optimization of a Dual-band Microstrip SIW Antenna using Differential Evolutionary Algorithm for X and K-Band Radar Applications**
Belen A., GÜNEŞ F., MAHOUTI P.
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, cilt.35, sa.7, ss.778-783, 2020 (SCI-Expanded)
- XXXIII. **Design and realization of novel frequency selective surface loaded dielectric resonator antenna via 3D printing technology**
Belen M. A., MAHOUTI P., Palandoken M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.62, sa.5, ss.2004-2013, 2020 (SCI-Expanded)
- XXXIV. **Application of artificial intelligence algorithms on modeling of reflection phase characteristics of a nonuniform reflectarray element**
MAHOUTI P.
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, cilt.33, sa.2, 2020 (SCI-Expanded)
- XXXV. **Deep learning base modified MLP model for precise scattering parameter prediction of capacitive feed antenna**
ÇALIK N., BELEN M. A., Mahouti P.
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, cilt.33, sa.2, 2020 (SCI-Expanded)
- XXXVI. **Design of nonuniform substrate dielectric lens antennas using 3D printing technology**
Belen M. A., MAHOUTI P.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.62, sa.2, ss.756-762, 2020 (SCI-Expanded)
- XXXVII. **A novel design of high performance multilayered cylindrical dielectric lens antenna using 3D printing technology**
Belen A., Güneş F., Maliouti P., Palandoken M.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.30, sa.1, 2020 (SCI-Expanded)
- XXXVIII. **Pareto Optimal Characterization of a Microwave Transistor**
Güneş F., Uluslu A., Mahouti P.
IEEE ACCESS, cilt.8, ss.47900-47913, 2020 (SCI-Expanded)
- XXXIX. **Active Inductor Design for Reconfigurable Bandpass Microstrip Filter Applications**
Belen M. A., MAHOUTI P.
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, cilt.34, sa.11, ss.1764-1768, 2019 (SCI-Expanded)
- XL. **Design optimization of a pattern reconfigurable microstrip antenna using differential evolution and**

3D EM simulation-based neural network model

MAHOUTI P.

INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.29, sa.8, 2019 (SCI-Expanded)

- XLII. **Realization of Dielectric Sheets for Gain Improvement of Ultra-Wideband Horn Antennas Using 3D Printer Technology**
Belen M. A., MAHOUTI P.
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, cilt.34, sa.5, ss.760-764, 2019 (SCI-Expanded)
- XLIII. **Design and realization of multilayered cylindrical dielectric lens antenna using 3D printing technology**
Mahouti P., Belen M. A., GÜNEŞ F., Yurt R.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.61, sa.5, ss.1400-1403, 2019 (SCI-Expanded)
- XLIV. **A Novel Design of Non-Uniform Reflectarrays with Symbolic Regression and its Realization using 3-D Printer**
Mahouti P., Güneş F., Belen M. A., Çalışkan A.
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, cilt.34, sa.2, ss.280-285, 2019 (SCI-Expanded)
- XLV. **Design and realization of quasi Yagi antenna for indoor application with 3D printing technology**
Belen M. A., MAHOUTI P.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.60, sa.9, ss.2177-2181, 2018 (SCI-Expanded)
- XLVI. **UWB Gain Enhancement of Horn Antennas Using Miniaturized Frequency Selective Surface**
Belen M. A., GÜNEŞ F., MAHOUTI P., Belen A.
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, cilt.33, sa.9, ss.997-1002, 2018 (SCI-Expanded)
- XLVII. **Performance enhancement of a microstrip patch antenna using substrate integrated waveguide frequency selective surface for ISM band applications**
GÜNEŞ F., Belen M. A., Mahouti P.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.60, sa.5, ss.1160-1164, 2018 (SCI-Expanded)
- XLVIII. **Competitive evolutionary algorithms for building performance database of a microwave transistor**
GÜNEŞ F., Belen M. A., Mahouti P.
INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS, cilt.46, sa.2, ss.244-258, 2018 (SCI-Expanded)
- XLIX. **GSM filtering of horn antennas using modified double square frequency selective surface**
GÜNEŞ F., Sharipov Z., Belen M. A., Mahouti P.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.27, sa.9, 2017 (SCI-Expanded)
- L. **Modeling and Realization of Cavity-Backed Dual Band SIW Antenna**
Belen M. A., Mahouti P., Çalışkan A., Belen A.
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, cilt.32, sa.11, ss.974-978, 2017 (SCI-Expanded)
- LI. **Symbolic Regression for Derivation of an Accurate Analytical Formulation Using "Big Data": An Application Example**
Mahouti P., GÜNEŞ F., Belen M. A., Demirel S.
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, cilt.32, sa.5, ss.372-380, 2017 (SCI-Expanded)
- LII. **Adjoint sensitivity analysis of the T, , and L types of microstripline low noise amplifiers**
Demirel S., GÜNEŞ F., Mahouti P.
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, cilt.30, 2017 (SCI-Expanded)
- LIII. **Cost-effective GRNN-based modeling of microwave transistors with a reduced number of**

measurements

GÜNEŞ F., Mahouti P., DEMİREL S., BELEN M. A., ULUSLU A.

INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, cilt.30, 2017 (SCI-Expanded)

LIII. **Signal and Noise Modeling of Microwave Transistors Using Characteristic Support Vector-based Sparse Regression**

GÜNEŞ F., Belen M. A., MAHOUTI P., DEMİREL S.

RADIOENGINEERING, cilt.25, sa.3, ss.490-499, 2016 (SCI-Expanded)

LIV. **Horn antennas with enhanced functionalities through the use of frequency selective surfaces**

Mahouti P., GÜNEŞ F., Belen M. A., ÇALIŞKAN A., Demirel S., Sharipov Z.

INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.26, sa.4, ss.287-293, 2016 (SCI-Expanded)

LV. **A simple and efficient honey bee mating optimization approach to performance characterization of a microwave transistor for the maximum power delivery and required noise**

GÜNEŞ F., Demirel S., MAHOUTI P.

INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, cilt.29, sa.1, ss.4-20, 2016 (SCI-Expanded)

LVI. **Design of a Front-End Amplifier for the Maximum Power Delivery and Required Noise by HBMO with Support Vector Microstrip Model**

GÜNEŞ F., Demirel S., Mahouti P.

RADIOENGINEERING, cilt.23, sa.1, ss.134-143, 2014 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **ISM Band Haberleşme Uygulamaları İçin Origami Anten Tasarımı**

Çalışkan A., Kızılay A., Belen M. A., Mahouti P.

European Journal of Science and Technology, cilt.2019, sa.16, ss.785-791, 2019 (Hakemli Dergi)

II. **DESIGN AND IMPLEMENTATION OF DOPPLER MICROWAVE MOTION SENSOR FOR INDOOR APPLICATION**

Belen M. A., MAHOUTI P., GÜNEŞ F., PARTAL H. P.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, cilt.36, sa.3, ss.849-859, 2018 (ESCI)

III. **DIAGNOSING LIVER DISEASES WITH DECISION TREE ALGORITHM**

Borulday M. G., Yeğin E. G., MAHOUTI P., GÜNEŞ F.

International Journal on "Technical and Physical Problems of Engineering", cilt.9, sa.33, ss.67-70, 2017 (Hakemli Dergi)

IV. **DESIGN OF A HIGH EFFICIENCY POWER AMPLIFIER FOR WIRELESS AND RADAR APPLICATIONS**

Mahouti P., Belen M. A., PARTAL H. P., Demirel S., GÜNEŞ F.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, cilt.33, sa.1, ss.94-101, 2015 (ESCI)

V. **DESIGN AND SIMULATION OF A TUNABLE BANDPASS FILTER USING VARACTOR DIODES FOR WIRELESS AND RADAR APPLICATIONS**

Belen M. A., Mahouti P., PARTAL H. P., Demirel S., GÜNEŞ F.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, cilt.33, sa.1, ss.86-93, 2015 (ESCI)

Kitap & Kitap Bölümleri

I. **DATA DRIVEN SURROGATE MODELLING ASSISTED OPTIMIZATION OF MICROSTRIP MONOPOLE**

ANTENNA

MAHOUTI P., BELEN M. A., TARI İLGİN Ö.

Research & Reviews in Engineering December 2022, Coşkun Özalp, Editör, gece kitaplığı, ss.71-80, 2022

II. DATA DRIVEN SURROGATE MODELLING APPROACH FOR ACCURATE MODELLING OF REFLECTARRAY UNIT ELEMENTS

MAHOUTI P.

Research & Reviews in Engineering December 2022, Coşkun Özalp, Editör, gece kitaplığı, ss.215-226, 2022

III. DESIGN OPTIMIZATION OF DISCONE ANTENNA USING META-HEURISTIC OPTIMIZATION

KARAHAN S., MAHOUTI P.

Current Research in Engineering - June 2022, Selahattin Bardak, Numan Yalçın, Ömer, Yurdakul, Editör, gece kitaplığı, ss.113-124, 2022

IV. Chapter 7- Boosting Based Modelling of Frequency Selective Surfaces

Kalaycı H., MAHOUTI P., BELEN M. A., AYTEN U. E.

RESEARCH & REVIEWS IN ENGINEERING - II, Prof. Dr. Banu NERGİS, Assoc. Prof. Dr. Selahattin BARDAK, Assoc. Prof. Dr. Mahmut KAYAR, Dr. Arif Furkan MENDİ, Editör, Gece Kitaplığı / Gece Publishing, Ankara, ss.105-129, 2021

V. Boosting - Based modelling of frequency selective surfaces

MAHOUTI P., AYTEN U. E., BELEN M. A., KALAYCI H.

Research & reviews in engineering - II, banu nergis, selahattin bardak, mahmut kayar, arif furkan mendi, Editör, gece kitaplığı, ss.105-129, 2021

VI. computationally efficient design optimization of microstrip antennas

MAHOUTI P., BELEN M. A., KARAHAN S.

Research & Reviews in Engineering - II, banu nergis, selahattin bardak, mahmut kayar, arif furkan mendi, Editör, gece kitaplığı, ss.89-104, 2021

VII. YAPAY SİNİR AĞI KULLANILARAK DISCONE ANTEN TASARIMI

sevinç a. a., MAHOUTI P., BELEN M. A.

Mühendislik Alanında Teori ve Araştırmalar, prof.dr. adnan hayaloğlu, Editör, gece kitaplığı, Ankara, ss.307-324, 2020

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. Design of Microwave Frequency Selective Surface Operating in X-band Using Ensemble Learning Algorithm Ensemble Learning Algoritması Kullanılarak X-Ku Bant Aralığında Çalışan Mikrodalga Frekans Seçici Yüzey Tasarımı**
Filiz B., Demirel E., Öz E. N., MAHOUTI P., Kıyık H., Belen M. A.
32nd IEEE Conference on Signal Processing and Communications Applications, SIU 2024, Mersin, Türkiye, 15 - 18 Mayıs 2024
- II. Vivaldi Antenna Design With Frequency Selective Surfaces for GPR Applications**
Mahouti P., Kızılay A., Razevig V. V., Belen M. A., Piltan O. C.
10th International Conference on Recent Advances in Air and Space Technologies, RAST 2023, İstanbul, Türkiye, 7 - 09 Haziran 2023
- III. Surrogate Based Design Optimization of Multi-Band Antenna**
Tari O., Belen A., Mahouti P., Belen M. A.
International Symposium of the Applied-Computational-Electromagnetics-Society (ACES), ELECTR NETWORK, 1 - 05 Ağustos 2021
- IV. Design Optimization of Ultra Wide Band Vivaldi Antenna Using Artificial Intelligence**
MAHOUTI P., KIZILAY A., Tari O., Belen A., Belen M. A.
International Symposium of the Applied-Computational-Electromagnetics-Society (ACES), ELECTR NETWORK, 1 - 05 Ağustos 2021
- V. Design and Manufacturing of an X-Band Horn Antenna using 3-D Printing Technology**

Toy Y. C., MAHOUTİ P., GÜNEŞ F., Belen M. A.

8th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Türkiye, 19 - 22 Haziran 2017, ss.195-198

- VI. **An UWB Vivaldi Antenna with the Enhanced Functionalities Through the use of DGS and Dielectric Lens**
Belen M. A., EVRANOS İ. Ö., GÜNEŞ F., Mahouti P.
8th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Türkiye, 19 - 22 Haziran 2017, ss.199-201
- VII. **Microstrip Frequency Selective Surface For Use In Horn Filtenna**
Sharipov Z., GÜNEŞ F., TÜRK A. S., Belen M. A., Mahouti P., Demirel S.
3rd IEEE Radar Methods and Systems Workshop (RMSW), Kyiv, Ukrayna, 27 - 28 Eylül 2016, ss.107-109
- VIII. **Design and Realization of Dual Band Microstrip Monopole Antenna**
Mahouti P., GÜNEŞ F., Belen M. A., ÇALIŞKAN A., Demirel S.
21st International Conference on Microwave, Radar and Wireless Communications (MIKON), Krakow, Polonya, 9 - 11 Mayıs 2016
- IX. **Design of Dielectric Lens Loaded Double Ridged Horn Antenna for Millimetre Wave Application**
Demirel S., ÇALIŞKAN A., Mersin M. T., TÜRK A. S., Belen M. A., Mahouti P.
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- X. **Microstrip SIW Patch Antenna Design for X band Application**
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