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International Researcher IDs

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Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği A.B.D., Turkey
1997 - 2003

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği A.B.D.,
Turkey 1995 - 1997

Undergraduate, Erciyes University, Mühendislik Fakültesi, Elektronik Mühendisliği Bölümü,
Turkey 1991 - 1995

Foreign Languages

English, B2 Upper Intermediate

German, B1 Intermediate

Dissertations

Doctorate, Ağırlıklı Toparlama Dizili DD/KBÇE İletişim Sistemleri için Yayma Kodlarının Tanımlanmasında ve En İyilerinin Belirlenmesinde Yeni Yaklaşımlar, Erciyes Üniversitesi, Fen Bilimleri, Elektronik Mühendisliği , 2003

Postgraduate, Güvenli Haberleşme için Kaotik İşaretlerin ve Sistemlerin İncelenmesi, Erciyes Üniversitesi, Fen Bilimleri, Elektronik Mühendisliği , 1997

Research Areas

Technical Sciences, Information Systems, Communication and Control Engineering, Communication Engineering, Information Theory, Communication System Theory

Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Elektrik-Elektronik Bölümü, 2014 - Continues

Associate Professor, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği , 2009 - 2014

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği , 2003 - 2009

Research Assistant, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği , 1995 - 2003

Academic and Administrative Experience

Erciyes Üniversitesi, Mühendislik Fakültesi Elektrik-Elektronik Müh. Bölümü, 2016 - Continues

BAP Scientific Commissioner, Erciyes University, 2009 - 2022

Director of Continuing Education Center, Erciyes University, 2018 - 2021

Erciyes Üniversitesi, Mühendislik Fakültesi, 2012 - 2013

Erciyes Üniversitesi, Mühendislik Fakültesi Elektrik-Elektronik Müh. Bölümü, 2009 - 2011

Erciyes Üniversitesi, Mühendislik Fakültesi Elektrik-Elektronik Müh. Bölümü, 2007 - 2008

Courses

Yayıllı Spektrum Haberleşmesi, Postgraduate, 2017 - 2018

Optik Haberleşme, Undergraduate, 2017 - 2018

Uydu Haberleşme Sistemleri, Postgraduate, 2017 - 2018

Sezım ve Kestirim Teorisi, Doctorate, 2017 - 2018

Bilgisayar Programlama 1, Undergraduate, 2017 - 2018

Biyoteleometri, Undergraduate, 2017 - 2018

Kablosuz & Gezgin Haberleşme, Undergraduate, 2017 - 2018

Mühendisler için Lineer Cebir, Undergraduate, 2017 - 2018

Haberleşme Sistemlerinin Simülasyonu, Postgraduate, 2017 - 2018

Advising Theses

DEVELİ I., Enerji Algılama Tabanlı İşbirlikçi Online Öğrenme Algoritması Kullanılarak Bilişsel Radyo Ağlarında Spektrum Algılama Başarımının İyileştirilmesi, Doctorate, K.Koçkaya(Student), Continues

DEVELİ I., İşbirlikli Uzaysal Modülasyonun Farklı Sönümlenmeli Kanallardaki Performans Analizi, Doctorate, A.Elif(Student), Continues

DEVELİ I., Çöz ve Aktar İşbirlikli İletişim Teknikleri Kullanan Serpiştirme Bölmeli Çoklu Erişim Sistemlerinin Performans Analizi, Doctorate, M.Bilim(Student), 2018

DEVELİ I., Kuvvetlendir ve Aktar İşbirlikli İletim Tekniğini Kullanan DD-KBÇE Sistemlerinin Sönümlü Kanallardaki Performans İfadelerinin Türetilmesi, Doctorate, N.Kapucu(Student), 2017

Develi I., Türkmen M., Ultra Geniş Bant (UGB) Haberleşme Sistemleri için Mikroşerit Yama Anten Tasarımı, Postgraduate, F.Altuntaş(Student), 2016

DEVELİ I., Bina İçi Enerji Hattı İletişiminde Yeni Bir Kanal Modeli için Sistem Performansının İncelenmesi, Doctorate, Y.Kabalıcı(Student), 2015

DEVELİ I., GSM 900 ve GSM 1800 Radyasyonunun in Vitro ve Meyve Suyunda Çeşitli Mikroorganizmalar ile Antioksidan Özellikler Üzerine Etkileri, Postgraduate, Ş.Merve(Student), 2012

DEVELİ I., Serpiştirme Bölmeli Çoklu Erişim Sistemlerinin Yeni Serpiştirme Yaklaşımları ile Bit Hata Oranı Başarımının İncelenmesi, Postgraduate, M.Bilim(Student), 2012

DEVELİ I., İşbirlikli Haberleşme Sistemlerinin Farklı Sönümlü Kanallardaki Başarım Analizleri için Yeni Matematiksel İfadelerin Türetilmesi, Postgraduate, N.Kapucu(Student), 2012

DEVELİ I., Erciyes Üniversitesi Kampüsünde GSM900 ve GSM1800 Şebekelerinin Oluşturduğu Elektromanyetik Kirliliğin Ölçülmesi ve Değerlendirilmesi, Postgraduate, U.Sorgucu(Student), 2011

DEVELİ I., Farksal Gelişim Algoritmasının Çok Girişli Çok Çıkışlı Sistemlerde Optimum Anten Konfigurasyonuna

Uygulanması, Erciyes Üniversitesi, Postgraduate, E.Nazife(Student), 2009

DEVELİ İ., Değişik Kırmık Dalga Biçimlerinin Kullanıldığı Genelleştirilmiş ÇT DD-KBÇE Sisteminde Optimum Alttasıyıcı Aralığın Değişiminin İncelenmesi, Postgraduate, K.Koçkaya(Student), 2008

DEVELİ İ., Başlangıç Evre Optimizasyonlu Gürültü Benzeri Kod Dizilerin Kullanıldığı ÇGÇÇ-KBÇE Sistemlerin Başarım Analizi, Postgraduate, M.Filiz(Student), 2007

DEVELİ İ., Çokyollu Nakagami-m Sönümlü Kanallarda Genelleştirilmiş ÇT DD-KBÇE Sisteminin Performans Analizi, Postgraduate, S.Şener(Student), 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Error Bounds for 3D Localization and Maximum Likelihood Estimation of mm-Wave MISO OFDM Systems in the Presence of Hardware Impairments**
Tubail D. A. , Cenikioğlu B., Canbilen A. E. , DEVELİ İ., İkki S.
IEEE COMMUNICATIONS LETTERS, vol.26, no.9, pp.2042-2046, 2022 (Peer-Reviewed Journal)
- II. **Effects of GSM 1800 band radiation on composition, structure and bioactivity of exopolysaccharides produced by yoghurt starter cultures**
Karataş Ş. M. , Ekici L., Develi İ., Dertli E., Sağdıç O.
ARCHIVES OF MICROBIOLOGY, vol.203, no.4, pp.1697-1706, 2021 (Peer-Reviewed Journal)
- III. **Spectrum sensing in cognitive radio networks: threshold optimization and analysis**
Koçkaya K., Develi İ.
EURASIP JOURNAL ON WIRELESS COMMUNICATIONS AND NETWORKING, vol.2020, no.1, 2020 (Peer-Reviewed Journal)
- IV. **Joint Impact of I/Q Imbalance and Imperfect CSI on SM-MIMO Systems Over Generalized Beckmann Fading Channels: Optimal Detection and Cramer-Rao Bound**
Canbilen A. E. , İkki S. S. , Basar E., Gultekin S. S. , DEVELİ İ.
IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, vol.19, no.5, pp.3034-3046, 2020 (Peer-Reviewed Journal)
- V. **Impact of I/Q Imbalance on Amplify-and-Forward Relaying: Optimal Detector Design and Error Performance**
Canbilen A. E. , İkki S. S. , Basar E., Gultekin S. S. , DEVELİ İ.
IEEE TRANSACTIONS ON COMMUNICATIONS, vol.67, no.5, pp.3154-3166, 2019 (Peer-Reviewed Journal)
- VI. **Spatial Modulation in the Presence of I/Q Imbalance: Optimal Detector & Performance Analysis**
Canbilen A. E. , Alsmadi M. M. , Basar E., İkki S. S. , Gultekin S. S. , DEVELİ İ.
IEEE COMMUNICATIONS LETTERS, vol.22, no.8, pp.1572-1575, 2018 (Peer-Reviewed Journal)
- VII. **Application of best relay selection approach to cooperative DF IDMA systems over Rayleigh/Weibull fading channels**
BİLİM M., KAPUCU N., DEVELİ İ.
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.31, no.5, 2018 (Peer-Reviewed Journal)
- VIII. **A comprehensive performance analysis of relay-aided CDMA communications over dissimilar fading channels**
KAPUCU N., BİLİM M., DEVELİ İ.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.83, pp.339-347, 2018 (Peer-Reviewed Journal)
- IX. **Average symbol error rate and outage probability of DS-SS systems with AF relaying over asymmetric fading channels**
KAPUCU N., BİLİM M., DEVELİ İ.
PHYSICAL COMMUNICATION, vol.23, pp.76-83, 2017 (Peer-Reviewed Journal)
- X. **Cooperative IDMA systems with regenerative relays over Weibull fading channels: outage probability and error analysis**
BİLİM M., KAPUCU N., DEVELİ İ.

IET COMMUNICATIONS, vol.11, no.7, pp.993-999, 2017 (Peer-Reviewed Journal)

- XI. **Outage performance of cooperative DS-CDMA systems with best path selection over α - β - μ fading channels**
KAPUCU N., BİLİM M., DEVELİ I.
ELECTRONICS LETTERS, vol.53, no.11, pp.752-754, 2017 (Peer-Reviewed Journal)
- XII. **A Closed-Form Approximate BEP Expression for Cooperative IDMA Systems over Multipath Nakagami-m Fading Channels**
BİLİM M., KAPUCU N., DEVELİ I.
IEEE COMMUNICATIONS LETTERS, no.20, pp.1599-1602, 2016 (Peer-Reviewed Journal)
- XIII. **How to prepare head tissue-equivalent liquids for SAR calculations, dosimetry and hyperthermia researches at 900 and 1800 MHz GSM frequencies**
Sorgucu U., DEVELİ I., ÖZEN Ş.
RADIATION PROTECTION DOSIMETRY, vol.168, no.3, pp.365-373, 2016 (Peer-Reviewed Journal)
- XIV. **A comparative simulation study on the performance of LDPC coded communication systems over Weibull fading channels**
DEVELİ I., Kabalci Y.
Journal of Applied Research and Technology, vol.14, no.2, pp.101-107, 2016 (Peer-Reviewed Journal)
- XV. **Effect of repetition coding on the BER performance of interleaved-division multiple access systems**
BİLİM M., KAPUCU N., DEVELİ I.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.3, pp.1412-1420, 2016 (Peer-Reviewed Journal)
- XVI. **Performance of Two-Hop DS-CDMA Systems Using Amplify-and-Forward Protocol over Different Fading Channels**
KAPUCU N., BİLİM M., DEVELİ I.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.22, no.1, pp.97-101, 2016 (Peer-Reviewed Journal)
- XVII. **Artificial bee colony optimization for modelling of indoor PLC channels: A case study from Turkey**
DEVELİ I., Kabalci Y., BAŞTÜRK A.
ELECTRIC POWER SYSTEMS RESEARCH, vol.127, pp.73-79, 2015 (Peer-Reviewed Journal)
- XVIII. **A New Nakagami-m Inverse CDF Approximation Based on the Use of Genetic Algorithm**
BİLİM M., DEVELİ I.
WIRELESS PERSONAL COMMUNICATIONS, vol.83, no.3, pp.2279-2287, 2015 (Peer-Reviewed Journal)
- XIX. **Computing resonant frequency of C-shaped compact microstrip antennas by using ANFIS**
Akdagli A., Kayabasi A., DEVELİ I.
INTERNATIONAL JOURNAL OF ELECTRONICS, vol.102, no.3, pp.407-417, 2015 (Peer-Reviewed Journal)
- XX. **Dual-Hop N-Relay Assisted Transmission for IDMA Systems over Weibull Fading Channels**
BİLİM M., KAPUCU N., DEVELİ I.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.21, no.4, pp.69-72, 2015 (Peer-Reviewed Journal)
- XXI. **Performance of Two-Hop Relay Assisted Decode-and-Forward Transmission under Mixed Fading Environments**
KAPUCU N., BİLİM M., DEVELİ I., Kabalci Y.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.21, no.1, pp.60-63, 2015 (Peer-Reviewed Journal)
- XXII. **Highly reliable LDPC coded data transfer in home networks by using Canete's PLC channel model**
DEVELİ I., Kabalci Y.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.62, pp.912-918, 2014 (Peer-Reviewed Journal)
- XXIII. **Performance of LDPC coded image transmission over realistic PLC channels for smart grid applications**
DEVELİ I., Kabalci Y., BAŞTÜRK A.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.62, pp.549-555, 2014 (Peer-Reviewed Journal)
- XXIV. **A Closed-Form MGF Expression of Instantaneous SNR for Weibull Fading Channels**

- KAPUCU N., BİLİM M., DEVELİ İ.
WIRELESS PERSONAL COMMUNICATIONS, vol.77, no.2, pp.1605-1613, 2014 (Peer-Reviewed Journal)
- XXV. **Analysis of the Use of Different Decoding Schemes in LDPC Coded OFDM Systems over Indoor PLC Channels**
DEVELİ İ., Kabalci Y.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.20, no.10, 2014 (Peer-Reviewed Journal)
- XXVI. **SER Performance of Amplify-and-Forward Cooperative Diversity Over Asymmetric Fading Channels**
KAPUCU N., BİLİM M., DEVELİ İ.
WIRELESS PERSONAL COMMUNICATIONS, vol.73, no.3, pp.1117-1127, 2013 (Peer-Reviewed Journal)
- XXVII. **Highly Accurate Analytic Approximation to the Gaussian Q-function Based on the Use of Nonlinear Least Squares Optimization Algorithm**
DEVELİ İ., BAŞTÜRK A.
JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, vol.159, no.1, pp.183-191, 2013 (Peer-Reviewed Journal)
- XXVIII. **AN APPLICATION OF ARTIFICIAL NEURAL NETWORK TO COMPUTE THE RESONANT FREQUENCY OF E-SHAPED COMPACT MICROSTRIP ANTENNAS**
Akdagli A., Toktas A., Kayabasi A., DEVELİ İ.
JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTEHNIČKY CASOPIS, vol.64, no.5, pp.317-322, 2013 (Peer-Reviewed Journal)
- XXIX. **Outage Probability Analysis of Dual-Hop Decode-and-Forward Relaying Over Mixed Rayleigh and Generalized Gamma Fading Channels**
KAPUCU N., BİLİM M., DEVELİ İ.
WIRELESS PERSONAL COMMUNICATIONS, vol.71, no.2, pp.947-954, 2013 (Peer-Reviewed Journal)
- XXX. **High-order exponential approximations for the Gaussian Q-function obtained by genetic algorithm**
DEVELİ İ., Akdagli A.
INTERNATIONAL JOURNAL OF ELECTRONICS, vol.100, no.4, pp.553-562, 2013 (Peer-Reviewed Journal)
- XXXI. **Approximate Expression of Bit Error Rate in Uplink MC-CDMA Systems with Equal Gain Combining**
DEVELİ İ., Akdagli A.
JOURNAL OF COMMUNICATIONS AND NETWORKS, vol.15, no.1, pp.25-30, 2013 (Peer-Reviewed Journal)
- XXXII. **IMPROVEMENT OF BER PERFORMANCE IN MIMO-CDMA SYSTEMS BY USING INITIAL-PHASE OPTIMIZED GOLD CODES**
DEVELİ İ., Filiz M.
JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTEHNIČKY CASOPIS, vol.64, no.1, pp.38-43, 2013 (Peer-Reviewed Journal)
- XXXIII. **A NEW APPROXIMATION BASED ON THE DIFFERENTIAL EVOLUTION ALGORITHM FOR THE GAUSSIAN Q-FUNCTION**
Develi İ.
INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL, vol.8, pp.7095-7102, 2012 (Peer-Reviewed Journal)
- XXXIV. **Optimum antenna configuration in MIMO systems: a differential evolution based approach**
DEVELİ İ., YAZLIK E. N.
WIRELESS COMMUNICATIONS & MOBILE COMPUTING, vol.12, no.6, pp.473-480, 2012 (Peer-Reviewed Journal)
- XXXV. **Measurement and analysis of electromagnetic pollution generated by GSM-900 mobile phone networks in Erciyes University, Turkey**
Sorgucu U., DEVELİ İ.
ELECTROMAGNETIC BIOLOGY AND MEDICINE, vol.31, no.4, pp.404-415, 2012 (Peer-Reviewed Journal)
- XXXVI. **Modelling and analysis of a power line communication system with QPSK modem for renewable smart grids**
Kabalcı E., Kabalcı Y., DEVELİ İ.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.34, no.1, pp.19-28, 2012 (Peer-Reviewed Journal)

- XXXVII. **BER Performance Simulation of Generalized MC DS-CDMA System with Time-Limited Blackman Chip Waveform**
DEVELİ I, Kockaya K.
RADIOENGINEERING, vol.19, no.3, pp.403-407, 2010 (Peer-Reviewed Journal)
- XXXVIII. **Further performance analysis of the generalized MC DS-CDMA system in Nakagami-m fading channels**
Şener S, DEVELİ I, KARABOĞA N.
COMPUTERS & ELECTRICAL ENGINEERING, vol.35, no.1, pp.1-8, 2009 (Peer-Reviewed Journal)
- XXXIX. **Determination of optimum antenna number ratio based on differential evolution for MIMO systems under low SNR conditions**
DEVELİ I.
WIRELESS PERSONAL COMMUNICATIONS, vol.43, no.4, pp.1667-1673, 2007 (Peer-Reviewed Journal)
- XL. **A method for predicting rain attenuation in terrestrial point-to-point line of sight links at 97 GHz**
Develi I.
ANNALS OF TELECOMMUNICATIONS-ANNALES DES TELECOMMUNICATIONS, vol.62, pp.1035-1044, 2007 (Peer-Reviewed Journal)
- XLI. **Differential evolution based prediction of rain attenuation over a LOS terrestrial link situated in the southern United Kingdom**
Develi I.
RADIO SCIENCE, vol.42, no.3, 2007 (Peer-Reviewed Journal)
- XLII. **Generalized neural method for shaping the exponential chip weighting waveforms in direct sequence CDMA systems**
Develi I, Kalinli A, Ciftlikli C.
FREQUENZ, vol.60, pp.60-64, 2006 (Peer-Reviewed Journal)
- XLIII. **An improved formula obtained by simulated annealing for the computation of maximum SINR for DS-CDMA receiver with exponentially weighted despreading function**
Ciftlikli C., Kalinli A., Develi I.
EUROPEAN TRANSACTIONS ON TELECOMMUNICATIONS, vol.17, no.1, pp.143-150, 2006 (Peer-Reviewed Journal)
- XLIV. **New results on the performance of multitone DS-CDMA systems in Nakagami-m fading channels**
Develi I.
IEICE TRANSACTIONS ON COMMUNICATIONS, no.12, pp.4675-4677, 2005 (Peer-Reviewed Journal)
- XLV. **A neuro-fuzzy computing technique for modeling laser-diode nonlinearity in a radio-over-fibre link**
Yuksel M. E. , Develi I.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, vol.15, no.3, pp.329-335, 2005 (Peer-Reviewed Journal)
- XLVI. **Bit error rate calculation for DS-CDMA systems with WDS in the presence of Rayleigh fading and power-control error**
Develi I, Ciftlikli C., Bagis A.
ADVANCES IN INFORMATICS, PROCEEDINGS, vol.3746, pp.776-786, 2005 (Peer-Reviewed Journal)
- XLVII. **Detection of optimal spreading codes for DS-CDMA wireless systems with despreading sequences weighted by adjustable chip waveforms**
Develi I.
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, vol.342, no.1, pp.69-84, 2005 (Peer-Reviewed Journal)
- XLVIII. **A plausible approach to determine most suitable spreading codes for a direct-sequence CDMA system**
Ciftlikli C., Develi I.
KUWAIT JOURNAL OF SCIENCE & ENGINEERING, vol.31, no.2, pp.235-259, 2004 (Peer-Reviewed Journal)
- XLIX. **Application of multilayer perceptron networks to laser diode nonlinearity determination for radio-overfibre mobile communications**
Develi I.

MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.42, no.5, pp.425-427, 2004 (Peer-Reviewed Journal)

- L. **Computation of the tuning values of exponential chip weighting waveforms for DS-CDMA communications over AWGN channels**
Develi I., Ciftlikli C.
IEE PROCEEDINGS-COMMUNICATIONS, vol.151, no.2, pp.132-136, 2004 (Peer-Reviewed Journal)
- LI. **A modified approach to determine the most appropriate spreading codes for a DS/CDMA system with exponentially weighted despreading sequences**
Ciftlikli C., Develi I.
JOURNAL OF INFORMATION SCIENCE AND ENGINEERING, vol.19, no.6, pp.1041-1057, 2003 (Peer-Reviewed Journal)
- LII. **On the use of neural network-based determination of weighted despreading sequences for a DS/CDMA system**
Ciftlikli C., Develi I.
ENGINEERING INTELLIGENT SYSTEMS FOR ELECTRICAL ENGINEERING AND COMMUNICATIONS, vol.11, no.3, pp.157-161, 2003 (Peer-Reviewed Journal)
- LIII. **A simple and useful approach for the determination process of the weighted despreading sequences in a DS-CDMA system**
Ciftlikli C., Develi I.
EUROPEAN TRANSACTIONS ON TELECOMMUNICATIONS, vol.14, no.4, pp.361-366, 2003 (Peer-Reviewed Journal)
- LIV. **A simple method for calculating the SINR in DS-CDMA systems with despreading sequences weighted by stepping chip waveforms**
Develi I., Ciftlikli C., Kalinli A.
CANADIAN JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING-REVUE CANADIENNE DE GENIE ELECTRIQUE ET INFORMATIQUE, vol.28, pp.163-167, 2003 (Peer-Reviewed Journal)

Articles Published in Other Journals

- I. **Proposal of an experimental data and image transmission system and its possible application for remote monitoring smart grids**
DEVELİ İ., KABALCI Y.
Journal Of Applied Research And Technology, vol.15, no.3, pp.303-310, 2017 (Peer-Reviewed Journal)
- II. **Mikrodenetleyici Kontrollü İki Kanallı Sayısal Osiloskop Tasarımı**
Kabalci Y., DEVELİ İ., BİLİM M.
e-Journal of New World Sciences Academy (NWSA), Engineering Sciences,, vol.6, pp.162-169, 2011 (Peer-Reviewed Journal)
- III. **Improved Expression for the Average BEP of MC-CDMA Systems with MRC Diversity Reception**
DEVELİ İ.
ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.10, pp.1213-1218, 2010 (Peer-Reviewed Journal)
- IV. **Analysis of the Relationship between Multipath Fading and Optimum Subcarrier Spacing for Generalized MC DS-CDMA Systems**
DEVELİ İ., Şener S.
ISTANBUL UNIVERSITY JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.7, pp.373-378, 2007 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of the Effect of High Level Modulations on the Performance of OFDM-IM Systems over Weibull and Nakagami-m Fading Channels**

Conger S., Cenikliođlu B., Develi İ.

3rd International Conference on Applied Engineering and Natural Sciences (ICAENS'2022), Konya, Turkey, 20 - 23 July 2022, pp.1396-1401

- II. **Analysis of Average Bit Error Rate for OFDM-IM Systems with Hardware Impairments over Nakagami-m and Weibull Fading Channels**
Cenikliođlu B., Develi İ., Canbilen A. E. , Lafci M.
International Conference on Computing, Communication, Security and Intelligent Systems (IC3SIS'22), Abohar, India, 23 - 25 June 2022, pp.1-6
- III. **Performance Analysis of Different High Level Modulation Techniques for OFDM-IM System**
Conger S., Cenikliođlu B., Develi İ.
2nd International Cappadocia Scientific Research Congress, Nevşehir, Turkey, 17 - 19 June 2022, pp.1515-1524
- IV. **Thermal Analysis of Biological Tissues Exposed To Electromagnetic Fields by Using Pennes' Bio-Heat Transfer Equation**
Sorgucu U., Develi İ.
2021 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), 29 - 31 July 2021, pp.1-6
- V. **Effects of Charging Lithium-Ion Cells with Zero Termination Current on the State of Health (SoH) for Energy Storage Systems**
Kök A. E. , Develi İ.
7th World Congress on Electrical Engineering and Computer Systems and Sciences (EECSS'21), 29 - 31 July 2021, pp.1121-1128
- VI. **Determination of Electrical Values of Tissue Equivalent Liquids Prepared for 900 MHz Frequency by Using Soft Computing Methods**
Sorgucu U., Develi İ.
2021 IEEE International Conference on Electronics, Computing and Communication Technologies (IEEE CONECCT 2021), 7 - 11 July 2021, pp.1-6
- VII. **Spectrum Detection Performance of HSTLBO Based Energy Sensing Algorithm in Cognitive Radio Networks**
KOÇKAYA K., DEVELİ İ.
2019 27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, Turkey, 24 - 26 April 2019, pp.1-4
- VIII. **ENERJİ ALGILAMA TABANLI HSTLBO ALGORİTMASININ WEİBULLSÖNÜMLÜ KANALDAKİ SPEKTRUM ALGILAMA BAŞARIM ANALİZİ**
KOÇKAYA K., DEVELİ İ.
Munzur 1. Uygulamalı Bilimler Kongresi, Tunceli, Turkey, 24 - 26 May 2019, vol.1, pp.303-315
- IX. **Bilişsel Radyo Ağlarında Çevrimiçi Öğrenme Tabanlı İşbirlikçiSpektrum Algılama Algoritmasının Sönümlü Kanallardaki Başarımı**
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