

Prof. NECMİ TAŞPINAR

Personal Information

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Education Information

Doctorate, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Müh. , Turkey 1988 - 1991

Post Graduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme, Turkey 1985 - 1988

Under Graduate, Erciyes Üniversitesi, Mühendislik Fakültesi, Elektronik Müh. Bölümü, Turkey 1979 - 1983

Foreign Languages

English, C1 Advanced

Research Areas

Information Systems, Communication and Control Engineering, Communication Engineering, Information Theory, Communication System Theory, Modulation Methods, Radio, Television Broadcasting, Telecommunication Applications, Sattelite Communication, Signal Processing, Image and Video Processing, Signal Processing for Communication, Signal Processing Theory and Methods, Biomedical Engineering, Engineering and Technology

Academic Titles / Tasks

Professor, Erciyes Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Müh. Bölümü, 2002 - Continues

Associate Professor, Erciyes Üniversitesi, Mühendislik Fakültesi, Elektronik Müh. , 1996 - 2002

Assistant Professor, Erciyes Üniversitesi, Mühendislik Fakültesi, Elektronik Müh. , 1992 - 1996

Research Assistant, Erciyes Üniversitesi, Mühendislik Fakültesi, Elektronik Müh. , 1984 - 1992

Professional Experience

Member of the Senate, Erciyes Üniversitesi, 2015 - Continues

Head of Department, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği , 2011 - 2020

Fakülte Kurulu Üyesi, Erciyes University, Mühendislik Fakültesi, 2011 - 2020

Fakülte Yönetim Kurulu Üyesi, Erciyes Üniversitesi, Havacılık ve Uzay Bilimleri Fakültesi, 2012 - 2018

Head of Department, Erciyes Üniversitesi, Mühendislik Fakültesi, , Elektrik-Elektronik Mühendisliği Bölümü, 2010 - 2013

Director Of Junior College, Erciyes Üniversitesi, Sivil Havacılık Yüksekokulu, 2003 - 2004

Vice Dean, Erciyes Üniversitesi, Mühendislik Fakültesi, 1997 - 2003

Fakülte Yönetim Kurulu Üyesi, Erciyes University, Mühendislik Fakültesi, 1999 - 2002

Courses

Müh. için Olasılık Teorisi ve İstatistik, Under Graduate, 2019 - 2020
Data Haberleşme Sistemleri, Doctorate, 2018 - 2019
Olasılık ve İstatistik, Under Graduate, 2018 - 2019
Modern Sayısal İletişim Teknikleri, Doctorate, 2019 - 2020
Haberleşme Mühendisliğinin Temelleri, Under Graduate, 2018 - 2019
Olasılık ve Stokastik Prosesler, Post Graduate, 2018 - 2019
Müh. için Diferansiyel Denklemler, Under Graduate, 2018 - 2019
Haberleşmede Kodlama Teknikleri, Post Graduate, 2016 - 2017
Sayısal Haberleşme, Under Graduate, 2014 - 2015
Enformasyon ve Kodlama, Under Graduate, 2013 - 2014
Haberleşme Elektronikleri, Under Graduate, 2012 - 2013
Akustik, Under Graduate, 2011 - 2012
Haberleşme Sistemleri, Under Graduate, 2011 - 2012

Advising Theses

TAŞPINAR N., Channel estimation in OFDM system using neural network combined with artificial bee colony algorithm, Post Graduate, S.Meo(Student), 2018
TAŞPINAR N., Kablosuz Haberleşme Sistemlerinde Zeki Optimizasyon Teknikleri ile Tepe Gücü/Ortalama Güç Oranının Düşürülmesi, Doctorate, M.YILDIRIM(Student), 2018
TAŞPINAR N., Dalgacık tabanlı MC-CDMA sistemlerindeki yüksek güçlü amplifikatörlerde tepe gücü/ortalama güç oranının zeki optimizasyon teknikleri ile düşürülmesi, Post Graduate, W.Hayder(Student), 2018
TAŞPINAR N., Dalgacık Paket Modülasyon Sistemlerinde Tepe Gücü / Ortalama Güç Oranını Düşürme Teknikleri, Doctorate, Y.TOKUR(Student), 2017
TAŞPINAR N., Tek Taşıyıcılı Frekans Bölmeli Çoklu Erişim (SC-FDMA) Sistemlerinde Taşıyıcı Frekans Kaymasının Kestirimi, Post Graduate, M.Balki(Student), 2016
TAŞPINAR N., Dikgen frekans bölmeli çoğullama-serpiştirme bölmeli çoklu erişim (OFDM-IDMA) sistemlerinde yapay zeka teknikleri ile kanal kestirimi, Post Graduate, Ş.Şimşir(Student), 2015
TAŞPINAR N., Görüntü işleme ve esnek hesaplama teknikleri kullanılarak Down sendromunun ayırt edilmesi, Doctorate, Ş.Saraydemir(Student), 2013
TAŞPINAR N., Kablosuz haberleşmede kullanılan karma ARQ sistemleri, Post Graduate, S.Akkaya(Student), 2012
TAŞPINAR N., ÇOK GİRİŞLİ-ÇOK ÇIKIŞLI DİKGEN FREKANS BÖLMELİ ÇOĞULLAMA SİSTEMLERİNDE YAPAY ZEKA TEKNİKLERİ İLE KANAL KESTİRİMİ, Doctorate, M.Nuri(Student), 2011
TAŞPINAR N., MIMO OFDM SİSTEMLERDE TEPE GÜCÜ / ORTALAMA GÜÇ ORANINI DÜŞÜRME TEKNİKLERİ VE BU ORANI DÜŞÜRMEK İÇİN BULANIK MANTIK KULLANIMI, Post Graduate, İ.Babaoğlu(Student), 2009
TAŞPINAR N., ÇOK TAŞIYICILI - KOD BÖLMELİ ÇOKLU ERİŞİM (MC-CDMA) SİSTEMLERİNDE KANAL KESTİRİMİ, Post Graduate, G.Özdemir(Student), 2009
TAŞPINAR N., ÇOK TAŞIYICILI KOD BÖLMELİ ÇOKLU ERİŞİM (MC-CDMA) SİSTEMLERİNDE TEPE GÜCÜ/ORTALAMA GÜÇ ORANININ YAPAY ZEKA TEKNİKLERİ İLE DÜŞÜRÜLMESİ, Post Graduate, M.Yıldırım(Student), 2009
TAŞPINAR N., ÇOK TAŞIYICILI-KOD BÖLMELİ ÇOKLU ERİŞİM SİSTEMLERİNDE ÇOK KULLANICILI SEZME TEKNİKLERİ, Post Graduate, M.Çiçek(Student), 2008
TAŞPINAR N., KOD BÖLMELİ ÇOKLU ERİŞİM SİSTEMLERİNDE ÇOK KULLANICILI SEZME İÇİN YAPAY SİNİR AĞLARI VE BULANIK MANTIK KULLANIMI, Doctorate, Y.Işık(Student), 2006
TAŞPINAR N., DİKGEN FREKANS BÖLMELİ ÇOĞULLAMA (OFDM) SİSTEMLERİNDE SENKRONİZASYON TEKNİKLERİ, Post Graduate, M.Nuri(Student), 2005
TAŞPINAR N., OFDM SİSTEMLERİNDE TEPE GÜCÜ / ORTALAMA GÜÇ ORANINI DÜŞÜRME TEKNİKLERİ VE BU ORANI DÜŞÜRMEK İÇİN YAPAY SİNİR AĞLARI KULLANIMI, Post Graduate, S.İmamoğlu(Student), 2003
TAŞPINAR N., YAPAY SİNİR AĞLARI YARDIMIYLA KONVOLÜSYON KODLARININ ÇÖZÜLMESİ, Post Graduate, H.Doğan(Student), 2000
TAŞPINAR N., SAYISAL İLETİŞİM KANALLARININ YAPAY SİNİR AĞLARI KULLANILARAK DENGELENMESİ, Post Graduate,

M.Özdin(Student), 2000

TAŞPINAR N., KAFES KODLAMALI MODÜLASYON KULLANAN KARMA ARQ SİSTEMLERİNİN TOPLANABİLİR BEYAZ GAUSS GÜRÜLTÜLÜ VE SÖNÜMLÜ KANALLAR İÇİN BAŞARIM ANALİZİ, Doctorate, E.Tuna(Student), 2000

TAŞPINAR N., DELİNİMİŞ KONVOLÜSYON KODLARINI KULLANAN ARQ SİSTEMLERİ, Post Graduate, M.Küçük(Student), 1996

TAŞPINAR N., DURAĞAN OLMAYAN SESÖTESİ DOPPLER İŞARETLERİNİN ZAMANA BAĞIMLI ADAPTİF PARAMETRİK MODELLER İLE MODELLENMESİ, Doctorate, M.Emin(Student), 1996

TAŞPINAR N., Sönümlü Kanalın Benzetimi Ve 1. Ve 2. Türden Karma ARQ Şemalarının Bu Kanal Üzerindeki Başarım Analizi, Post Graduate, A.Sabri(Student), 1995

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

- **Cumulative symbol optimization-based partial transmit sequence technique for PAPR reduction in low complexity GFDM system**
Taşpınar N., Şimşir Ş.
Transactions on Emerging Telecommunications Technologies, vol.31, pp.1-19, 2020 (Journal Indexed in SCI Expanded)
- **Pilot tones design using particle swarm optimization for OFDM-IDMA system**
TAŞPINAR N., ŞİMŞİR Ş.
NEURAL COMPUTING & APPLICATIONS, vol.31, pp.5299-5308, 2019 (Journal Indexed in SCI)
- **Dual symbol optimization-based partial transmit sequence technique for PAPR reduction in WOLA-OFDM waveform**
TAŞPINAR N., ŞİMŞİR Ş.
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.32, 2019 (Journal Indexed in SCI)
- **Advanced pilot design procedure based on HS algorithm for OFDM-IDMA system**
ŞİMŞİR Ş., TAŞPINAR N.
IET COMMUNICATIONS, vol.12, no.10, pp.1155-1162, 2018 (Journal Indexed in SCI)
- **An efficient technique based on firefly algorithm for pilot design process in OFDM-IDMA systems**
TAŞPINAR N., ŞİMŞİR Ş.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.26, no.2, pp.817-829, 2018 (Journal Indexed in SCI)
- **Pilot tones design using Grey Wolf Optimizer for OFDM-IDMA system**
ŞİMŞİR Ş., TAŞPINAR N.
PHYSICAL COMMUNICATION, vol.25, no.4, pp.259-267, 2017 (Journal Indexed in SCI)
- **Peak-to-Average Power Ratio Reduction in Lifting Based Wavelet Packet Modulation Systems Using Differential Evolution Algorithm**
Bozkurt Y. T., TAŞPINAR N.
WIRELESS PERSONAL COMMUNICATIONS, vol.94, no.3, pp.1073-1086, 2017 (Journal Indexed in SCI)
- **Channel estimation using an adaptive neuro fuzzy inference system in the OFDM-IDMA system**
TAŞPINAR N., Simsir S.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, pp.352-364, 2017 (Journal Indexed in SCI)
- **Peak-to-average power ratio reduction using backtracking search optimization algorithm in OFDM systems**
TAŞPINAR N., Tokur Bozkurt Y.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, pp.2307-2316, 2016 (Journal Indexed in SCI)
- **PAPR reduction using genetic algorithm in lifting-based wavelet packet modulation systems**
TAŞPINAR N., Tokur Bozkurt Y.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, pp.184-195, 2016 (Journal Indexed in SCI)

- Indexed in SCI)
Channel Estimation Using Radial Basis Function Neural Network in OFDM-IDMA System
 Simsir S., TAŞPINAR N.
 WIRELESS PERSONAL COMMUNICATIONS, vol.85, pp.1883-1893, 2015 (Journal Indexed in SCI)
- **A Novel Parallel Artificial Bee Colony Algorithm and Its PAPR Reduction Performance Using SLM Scheme in OFDM and MIMO-OFDM Systems**
 TAŞPINAR N., YILDIRIM M.
 IEEE COMMUNICATIONS LETTERS, vol.19, no.10, pp.1830-1833, 2015 (Journal Indexed in SCI)
- **Effects of Training Set Dimension on Recognition of Dysmorphic Faces with Statistical Classifiers**
 SARAYDEMİR S., TAŞPINAR N., EROĞUL O., Kayserili H.
 INTERNATIONAL ARAB JOURNAL OF INFORMATION TECHNOLOGY, vol.12, pp.205-211, 2015 (Journal Indexed in SCI)
- **Radial Basis Function Neural Networks for Channel Estimation in MIMO-OFDM Systems**
 Seyman M. N. , TAŞPINAR N.
 ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.38, pp.2173-2178, 2013 (Journal Indexed in SCI)
- **Multuser Detection with Neural Network MAI Detector in CDMA Systems for AWGN and Rayleigh Fading Asynchronous Channels**
 TAŞPINAR N., Isik Y.
 INTERNATIONAL ARAB JOURNAL OF INFORMATION TECHNOLOGY, vol.10, pp.413-419, 2013 (Journal Indexed in SCI)
- **Pilot Tones Optimization Using Artificial Bee Colony Algorithm for MIMO-OFDM Systems**
 Seyman M. N. , TAŞPINAR N.
 WIRELESS PERSONAL COMMUNICATIONS, vol.71, pp.151-163, 2013 (Journal Indexed in SCI)
- **Neural network based receiver for multuser detection in MC-CDMA systems**
 TAŞPINAR N., ÇİÇEK M.
 WIRELESS PERSONAL COMMUNICATIONS, vol.68, no.2, pp.463-472, 2013 (Journal Indexed in SCI Expanded)
- **Channel estimation based on neural network in space time block coded MIMO-OFDM system**
 Seyman M. N. , TAŞPINAR N.
 DIGITAL SIGNAL PROCESSING, vol.23, pp.275-280, 2013 (Journal Indexed in SCI)
- **Symbol detection using the differential evolution algorithm in MIMO-OFDM systems**
 Seyman M. N. , TAŞPINAR N.
 TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.21, pp.373-380, 2013 (Journal Indexed in SCI)
- **Down Syndrome Diagnosis Based on Gabor Wavelet Transform**
 SARAYDEMİR S., TAŞPINAR N., EROĞUL O., Kayserili H., Dinçkan N.
 JOURNAL OF MEDICAL SYSTEMS, vol.36, pp.3205-3213, 2012 (Journal Indexed in SCI)
- **CHANNEL ESTIMATION BASED ON NEURAL NETWORK WITH FEEDBACK FOR MIMO OFDM MOBILE COMMUNICATION SYSTEMS**
 Seyman M. N. , TAŞPINAR N.
 INTELLIGENT AUTOMATION AND SOFT COMPUTING, vol.18, pp.307-316, 2012 (Journal Indexed in SCI)
- **MIMO-OFDM Channel Estimation Using ANFIS**
 Seyman M. N. , TAŞPINAR N.
 ELEKTRONIKA IR ELEKTROTEHNIKA, vol.120, pp.75-78, 2012 (Journal Indexed in SCI)
- **Optimization of pilot tones using differential evolution algorithm in MIMO-OFDM systems**
 Seyman M. N. , Taspinar N.
 TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.20, pp.15-23, 2012 (Journal Indexed in SCI)
- **Partial Transmit Sequences for PAPR Reduction Using Parallel Tabu Search Algorithm in OFDM Systems**
 TAŞPINAR N., KALINLI A., Yildirim M.
 IEEE COMMUNICATIONS LETTERS, vol.15, pp.974-976, 2011 (Journal Indexed in SCI)

- **Partial transmit sequences based on artificial bee colony algorithm for peak-to-average power ratio reduction in multicarrier code division multiple access systems**
TAŞPINAR N., KARABOĞA D., Yildirim M., AKAY B.
IET COMMUNICATIONS, vol.5, pp.1155-1162, 2011 (Journal Indexed in SCI)
- **Particle swarm optimization for pilot tones design in MIMO-OFDM systems**
Seyman M. N. , TAŞPINAR N.
EURASIP JOURNAL ON ADVANCES IN SIGNAL PROCESSING, 2011 (Journal Indexed in SCI)
- **PAPR reduction using artificial bee colony algorithm in OFDM systems**
TAŞPINAR N., KARABOĞA D., Yildirim M., AKAY B.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.19, pp.47-58, 2011 (Journal Indexed in SCI)
- **Channel estimation based on adaptive neuro-fuzzy inference system in OFDM**
Seyman M. N. , TAŞPINAR N.
IEICE TRANSACTIONS ON COMMUNICATIONS, pp.2426-2430, 2008 (Journal Indexed in SCI)
- **Multuser detection with neural network and PIC in CDMA systems for AWGN and Rayleigh fading asynchronous channels**
Işık Y., TAŞPINAR N.
Wireless Personal Communications, vol.43, pp.1185-1194, 2007 (Journal Indexed in SCI)
- **The multi-user detection in code division multiple access with adaptive neuro-fuzzy inference system**
IŞIK Y., Taspinar N.
JOURNAL OF INFORMATION SCIENCE AND ENGINEERING, vol.22, pp.1529-1542, 2006 (Journal Indexed in SCI)
- **Hybrid SR ARQ scheme using two dimensional trellis coded modulation and code combining for AWGN channel**
TUNA E., Taspinar N.
FREQUENZ, vol.60, pp.130-133, 2006 (Journal Indexed in SCI)
- **Fuzzy inference system for multuser detection in CDMA systems**
IŞIK Y., Taspinar N.
IEICE TRANSACTIONS ON COMMUNICATIONS, pp.1692-1695, 2006 (Journal Indexed in SCI)
- **Multi user detection in asynchronous CDMA systems based on parallel tabu search algorithm**
IŞIK Y., KALINLI A., Taspinar N.
FREQUENZ, vol.59, pp.166-170, 2005 (Journal Indexed in SCI)
- **Parallel interference cancellation based on neural network in CDMA systems**
IŞIK Y., Taspinar N.
IEICE TRANSACTIONS ON COMMUNICATIONS, pp.800-806, 2005 (Journal Indexed in SCI)
- **Trellis coded hybrid selective repeat ARQ schemes for point-to-multipoint communication over Rayleigh fading channels**
Taspinar N.
WIRELESS PERSONAL COMMUNICATIONS, vol.27, pp.117-124, 2003 (Journal Indexed in SCI)
- **An adaptive hybrid SR ARQ scheme using punctured trellis coded modulation and code combining**
Taspinar N., TUNA E.
IEICE TRANSACTIONS ON COMMUNICATIONS, pp.2338-2340, 2002 (Journal Indexed in SCI)
- **A new SW type-II hybrid ARQ scheme using rate-compatible-convolutional codes**
TAŞPINAR N.
EUROPEAN TRANSACTIONS ON TELECOMMUNICATIONS, vol.7, no.6, pp.581-583, 1996 (Journal Indexed in SCI Expanded)
- **TYPE-I HYBRID SW ARQ SCHEME USING SEQUENTIAL-DECODING WITH CODE COMBINING AND THE CODE COMPARING TECHNIQUE**
TASPINAR N.
INTERNATIONAL JOURNAL OF ELECTRONICS, vol.76, pp.993-998, 1994 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Bio-Inspired Pilot Design Approach based on Genetic Algorithm for OFDM-IDMA Scheme**
Taşpınar N., Şimşir Ş.
European Journal of Science and Technology, vol.16, pp.466-474, 2020 (Refereed Journals of Other Institutions)
- **PAPR reduction performance of bat algorithm in OFDM systems**
TOKUR BOZKURT Y., TAŞPINAR N.
International Advanced Researches and Engineering Journal, vol.3, pp.150-155, 2019 (Refereed Journals of Other Institutions)
- **PAPR reduction in OFDM systems using partial transmit sequence comined with cuckoo search optimization algorithm**
Taşpınar N., Bozkurt Y. T.
International Journal of Intelligent Systems and Applications in Engineering, vol.4, pp.260-263, 2016 (Refereed Journals of Other Institutions)
- **Hybrid SR ARQ scheme using Trellis Coded Modulation for point-to-multipoint communication over nonstationary channel**
Taşpınar N.
Turkish Journal of Electrical Engineering & Computer Sciences, vol.10, pp.111-118, 2002 (Refereed Journals of Other Institutions)
- **Tandem hybrid SR ARQ scheme for point-to-multipoint satellite communications**
Taşpınar N.
Turkish Journal of Physics, vol.19, pp.1396-1401, 1995 (Refereed Journals of Other Institutions)
- **Hybrid SR ARQ using sequential decoding with partial retransmission and code combining for point-to-multipoint communications**
Taşpınar N.
Turkish Journal of Electrical Engineering & Computer Sciences , vol.3, no.1, pp.1-6, 1995 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- **Investigation Of Effect Of Communication Bandwidth And Length Of Coherence Block On EnergyEfficiency And Area Throughput In Massive Multiple-Input And Multiple-Output Systems**
GÜL B. K. , TAŞPINAR N.
4th International Symposium on InnovativeApproaches in Engineering and NaturalSciences, 22 - 24 November 2019
- **INVESTIGATION OF THE EFFECT OF USED POWER LEVELS ON ENERGY AND SPECTRAL EFFICIENCY IN MASSIVE MULTIPLE-INPUT AND MULTIPLEOUTPUT SYSTEMS**
GÜL B. K. , TAŞPINAR N.
VIII. UMTEB INTERNATIONAL CONGRESS ON VOCATIONAL TECHNICAL SCIENCES, 11 - 13 October 2019
- **PERFORMANCE ANALYSIS OF UNIVERSAL FILTERED MULTICARRIER WAVEFORM UNDER SOLID STATE POWER AMPLIFIER**
ŞİMŞİR Ş., TAŞPINAR N.
III. International Scientific and Vocational Studies Congress - Engineering, 27 - 30 June 2019
- **INVESTIGATION OF THE EFFECT OF INTER-CELL INTERFERENCE ON ENERGY AND SPECTRAL EFFICIENCY IN MASSIVE MULTIPLE-INPUT AND MULTIPLEOUTPUT SYSTEMS**
GÜL B. K. , TAŞPINAR N.
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- **PAPR Reduction based on Partial Transmit SequenceTechnique in UFMC Waveform**
Taşpınar N., Şimşir Ş.
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● **Comparison of different modulation techniques for optical OFDM Intensity Modulation and Direct Detection IM/DD system**

Alhalabi M., ElNahal F. I., TAŞPINAR N.

The 2019 IEEE 7th Palestinian International Conference on Electrical and Computer Engineering, 26 - 27 March 2019

● **Peak-to-Average Power Ratio Reduction for Selective Mapping using Artificial Bee Colony Algorithm in Wavelet Packet Modulation**

Mahdi W. H., AlAzzawi Z. H., TAŞPINAR N.

International Symposium on Multidisciplinary Studies and Innovative Technologies, 19 - 21 October 2018

● **Effect of nonlinear high power amplifier on the spectrum characteristic and BER performance of WOLA-OFDM waveform**

ŞİMŞİR Ş., TAŞPINAR N.

II. International Scientific and Vocational Studies Congress (BILMES 2018), Ürgüp/Nevşehir, Turkey, 5 - 08 July 2018, pp.1335-1341

● **PEAK-TO-AVERAGE POWER RATIO REDUCTION FOR PARTIAL TRANSMIT SEQUENCE USING ARTIFICIAL BEE COLONY ALGORITHM IN WAVELET PACKET MODULATION**

Mahdi W. H., AlAzzawi Z. H., TAŞPINAR N.

II. International Scientific and Vocational Studies Congress, 5 - 08 July 2018

● **PERFORMANCE COMPARISON OF COLORLESS DIFFERENT OPTICAL SOURCES AND DIFFERENT MODULATION FORMATS FOR BIDIRECTIONAL WDM-PON SYSTEMS**

Alhalabi M., ElNahal F. I., TAŞPINAR N.

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● **PTS BASED ON FIREFLY ALGORITHM FOR PAPR REDUCTION IN OFDM SYSTEMS**

TOKUR BOZKURT Y., TAŞPINAR N.

3rd International Congress on Vocational and Technical Sciences, 21 - 22 June 2018

● **Simulated annealing - based metaheuristic approach for pilot tones design in OFDM-IDMA system**

TAŞPINAR N., ŞİMŞİR Ş.

4th International Conference on Engineering and Natural Sciences (ICENS 2018), Kiev, Ukraine, 2 - 06 May 2018, pp.593-600

● **Colorless wavelength division multiplexing passive optical networks (WDM PONs)**

Alhalabi M., TAŞPINAR N., ElNahal F. I.

2nd International Students Science Congress, 4 - 05 May 2018

● **PTS based on real-coded simulated annealing algorithm for PAPR reduction in OFDM systems**

TOKUR BOZKURT Y., TAŞPINAR N.

Second International Energy Engineering Conference, 12 - 13 October 2017

● **Channel Estimation in OFDM System Using Multi-Layered Perceptron Neural Network Combined with Artificial Bee Colony Algorithm**

TAŞPINAR N., RAJPUT S. M., SARIKAYA BAŞTÜRK N., BAŞTÜRK A.

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● **A PAPR reduction method based on parallel ant colony optimization using PTS scheme in OFDM systems**

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● **The Investigation of the Effect of the Carrier Frequency Offset (CFO) in SC-FDMA System**

TAŞPINAR N., BALKİ M.

The 39th International Convention on Information and Communication Technology, Electronics and Microelectronics - MIPRO 2016, Opatija, Croatia, 30 May - 03 June 2016, pp.558-561

● **Channel Estimation Techniques In OFDM-IDMA Systems**

TAŞPINAR N., ŞİMŞİR Ş.

The 2nd IEEE International Symposium on Wireless Systems within the Conferences on Intelligent Data Acquisition

and Advanced Computing Systems, Offenburg, Germany, 11 - 12 September 2014, pp.10-14

4. Nesil Haberleşme Teknolojilerinde OFDMA

ÖZDEMİR G., TAŞPINAR N.

URSI (Union Radio Scientifique Internationale) TÜRKİYE VII. Bilimsel Kongresi, Elazığ, Turkey, 28 - 30 August 2014, pp.326-328

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Şimşir Ş., TAŞPINAR N.

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Channel Estimation Based on Neural Network in OFDM System for Powerline Communication

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Peak-to-average power ratio reduction using artificial bee colony algorithm in wavelet packet modulation

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5th International Conference on Communication Software and Networks (ICCSN 2013), Kuala Lumpur, Malaysia, 8 - 09 June 2013, pp.265-269

Generalized Type-II Hybrid SR ARQ Scheme Using Punctured Convolutional Coding and Code Combining Technique in Multi-Carrier Code Division Multiple Access (MC-CDMA) Systems

TAŞPINAR N., Akkaya S.

ELEKTRO 2012, Rajec Teplice, Slovakia, 21 - 22 May 2012, pp.377-381

Generalized type-II hybrid SR ARQ scheme using punctured convolutional coding and code combining technique in wavelet packet division multiplexing (WPDM)

AKKAYA S., TAŞPINAR N.

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