

Prof. NECMİ TAŞPINAR

Personal Information

Office Phone: [+90 352 207 6666](tel:+903522076666) Extension: 32201

Email: taspinar@erciyes.edu.tr

Web: <https://avesis.erciyes.edu.tr/taspinar/>

International Researcher IDs

ORCID: 0000-0003-4689-4487

Publons / Web Of Science ResearcherID: AAK-3013-2021

ScopusID: 55972922200

Yoksis Researcher ID: 22880

Education Information

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

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği, Turkey 1985 - 1988

Undergraduate, Erciyes University, 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, Wireless Communication, Optical Communication, Signal Processing for Communication, Artificial Intelligence, Computer Learning and Pattern Recognition, Biomedical Engineering

Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2002 - Continues

Associate Professor, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 1996 - 2002

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 1992 - 1996

Research Assistant, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 1984 - 1992

Academic and Administrative Experience

Head of Department, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2022 - Continues
Erciyes University, 2022 - Continues

Department Academic Incentive Evaluation Commission Member, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2016 - 2024

Member of the Senate, Erciyes University, 2015 - 2021

Erciyes University, 2015 - 2021
Fakülte Kurulu Üyesi, Erciyes University, Mühendislik Fakültesi, 2011 - 2020
Head of Department, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2011 - 2020
Erciyes University, 2011 - 2020
Erciyes University, 2011 - 2020
Erciyes Üniversitesi, Havacılık ve Uzay Bilimleri Fakültesi, 2012 - 2018
Erciyes University, 2012 - 2018
Head of Department, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2010 - 2013
Erciyes University, 2010 - 2013
Fakülte Yönetim Kurulu Üyesi, Erciyes University, İletişim Fakültesi, 2003 - 2006
Erciyes Üniversitesi, Sivil Havacılık Yüksekokulu, 2003 - 2004
Erciyes University, 2003 - 2004
Erciyes Üniversitesi, Mühendislik Fakültesi, 1997 - 2003
Erciyes University, 1997 - 2003
Fakülte Yönetim Kurulu Üyesi, Erciyes University, Mühendislik Fakültesi, 1999 - 2002
Erciyes University, 1999 - 2002

Courses

Discrete Mathematics, Undergraduate, 2023 - 2024
Müh. için Olasılık Teorisi ve İstatistik, Undergraduate, 2019 - 2020
Data Haberleşme Sistemleri, Doctorate, 2018 - 2019
Olasılık ve İstatistik, Undergraduate, 2018 - 2019
Modern Sayısal İletişim Teknikleri, Doctorate, 2019 - 2020
Haberleşme Mühendisliğinin Temelleri, Undergraduate, 2018 - 2019
Olasılık ve Stokastik Prosesler, Postgraduate, 2018 - 2019
Müh. için Diferansiyel Denklemler, Undergraduate, 2018 - 2019
Haberleşmede Kodlama Teknikleri, Postgraduate, 2016 - 2017
Sayısal Haberleşme, Undergraduate, 2014 - 2015
Enformasyon ve Kodlama, Undergraduate, 2013 - 2014
Haberleşme Elektroniği, Undergraduate, 2012 - 2013
Akustik, Undergraduate, 2011 - 2012
Haberleşme Sistemleri, Undergraduate, 2011 - 2012

Advising Theses

Taşpınar N., Cihazdan Cihaza (D2D) Haberleşmede Zeki Optimizasyon Tekniklerini Kullanarak Kaynak Tahsisi, Doctorate, W.Hayder(Student), 2024
Taşpınar N., Bilişsel Radyo Ağlarında Zeki Optimizasyon Teknikleri Kullanılarak Spektrum Algılama, Postgraduate, B.Ketenci(Student), 2024
Taşpınar N., YIĞIN ÇOK GİRİŞLİ ÇOK ÇIKIŞLI SİSTEMLERDE ZEKİ OPTİMİZASYON TEKNİKLERİ KULLANILARAK ENERJİ VE SPEKTRAL VERİMLİLİĞİNİN İNCELENMESİ, Doctorate, B.GÜL(Student), 2024
Taşpınar N., Optik Haberleşme Sistemlerinde Zeki Optimizasyon Teknikleri ile Tepe Gücü / Ortalama Güç Oranının Düşürülmesi, Doctorate, M.ALHALABI(Student), 2023
Taşpınar N., Beşinci nesil dalga formu adaylarında zeki optimizasyon teknikleriyle tepe gücü/ortalama güç oranının düşürülmesi, Doctorate, Ş.ŞİMŞİR(Student), 2021
Taşpınar N., Yığın çok girişli-çok çıkışlı sistemlerde zeki optimizasyon teknikleri kullanarak kanal kestirimi, Postgraduate, A.ERGEÇ(Student), 2021
Taşpınar N., Channel estimation in OFDM system using neural network combined with artificial bee colony algorithm,

Postgraduate, S.RAJPUT(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, Postgraduate, 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, Postgraduate, M.Balki(Student), 2016

TAŞPINAR N., Dikgen frekans bölmeli çoğullama-serpiştirme bölmeli çoklu erişim (OFDM-IDMA) sistemlerinde yapay zeka teknikleri ile kanal kestirimi, Postgraduate, 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, Postgraduate, S.Akkaya(Student), 2012

TAŞPINAR N., ÇOK GİRİŞLİ-ÇOK ÇIKIŞLI DİKGEN FREKANS BÖLMELİ ÇOĞULLAMA SİSTEMLERİNDE YAPAY ZEKA TEKNİKLERİ İLE KANAL KESTİRİMİ, Doctorate, N.Seyman(Student), 2011

TAŞPINAR N., ÇOK TAŞIYICILI - KOD BÖLMELİ ÇOKLU ERİŞİM (MC-CDMA) SİSTEMLERİNDE KANAL KESTİRİMİ, Postgraduate, G.Özdemir(Student), 2009

TAŞPINAR N., MIMO OFDM SİSTEMLERDE TEPE GÜCÜ / ORTALAMA GÜÇ ORANINI DÜŞÜRME TEKNİKLERİ VE BU ORANI DÜŞÜRMEK İÇİN BULANIK MANTIK KULLANIMI, Postgraduate, İ.Babaoğlu(Student), 2009

TAŞPINAR N., ÇOK TAŞIYICILI KOD BÖLMELİ ÇOKLU ERİŞİM (MC-CDMA) SİSTEMLERİNDE TEPE GÜCÜ/ORTALAMA GÜÇ ORANININ YAPAY ZEKA TEKNİKLERİ İLE DÜŞÜRÜLMESİ, Postgraduate, M.Yıldırım(Student), 2009

TAŞPINAR N., ÇOK TAŞIYICILI-KOD BÖLMELİ ÇOKLU ERİŞİM SİSTEMLERİNDE ÇOK KULLANICILI SEZME TEKNİKLERİ, Postgraduate, 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, Postgraduate, N.Seyman(Student), 2005

TAŞPINAR N., OFDM SİSTEMLERİNDE TEPE GÜCÜ / ORTALAMA GÜÇ ORANINI DÜŞÜRME TEKNİKLERİ VE BU ORANI DÜŞÜRMEK İÇİN YAPAY SİNİR AĞLARI KULLANIMI, Postgraduate, S.İmamoğlu(Student), 2003

TAŞPINAR N., YAPAY SİNİR AĞLARI YARDIMIYLA KONVOLÜSYON KODLARININ ÇÖZÜLMESİ, Postgraduate, H.Doğan(Student), 2000

TAŞPINAR N., SAYISAL İLETİŞİM KANALLARININ YAPAY SİNİR AĞLARI KULLANARAK DENGELENMESİ, Postgraduate, M.Özden(Student), 2000

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

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

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

TAŞPINAR N., Sönümlü Kanallın Benzetimi Ve 1. Ve 2. Türden Karma ARQ Şemalarının Bu Kanal Üzerindeki Başarım Analizi, Postgraduate, S.Kesgin(Student), 1995

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Peak-To-Average Power Ratio (PAPR) Reduction Using Discrete Invasive Weed Optimization (DIWO) in Coherent Detection Optical OFDM (CO-OFDM) Communication Systems**
TAŞPINAR N., Alhalabi M.
Wireless Personal Communications, vol.139, no.1, pp.715-732, 2024 (SCI-Expanded)
- II. **Optimization of Spectral and Energy Efficiencies Trade-Off Using Multi-objective Forest Optimization**

Algorithm in Massive MIMO Systems

GÜL B. K., TAŞPINAR N.

Wireless Personal Communications, vol.137, no.1, pp.399-414, 2024 (SCI-Expanded)

- III. **Bee System-based Self Configurable Optimized Resource Allocation Technique in Device-to-Device (D2D) Communication Networks**
Mahdi W. H., TAŞPINAR N.
IEEE Access, vol.12, pp.3039-3053, 2024 (SCI-Expanded)
- IV. **Pilot Tones Design for Channel Estimation Using Elephant Herding Optimization Algorithm in Massive MIMO Systems**
TAŞPINAR N., Ergec A., Gul B. K.
WIRELESS PERSONAL COMMUNICATIONS, vol.133, no.3, pp.1917-1934, 2023 (SCI-Expanded)
- V. **A powerful PTS strategy boosted by a novel discrete crow search algorithm for reducing the PAPR of UPMC signals**
ŞİMŞİR Ş., TAŞPINAR N.
JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS, vol.74, no.3, pp.197-209, 2023 (SCI-Expanded)
- VI. **Spectral and energy efficiency trade-off in massive MIMO systems using multi-objective bat algorithm**
GÜL B. K., TAŞPINAR N.
JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS, vol.73, no.2, pp.132-139, 2022 (SCI-Expanded)
- VII. **An improved PTS scheme based on a novel discrete invasive weed optimization algorithm for PAPR reduction in the UPMC signal**
ŞİMŞİR Ş., TAŞPINAR N.
NEURAL COMPUTING & APPLICATIONS, vol.33, no.23, pp.16403-16424, 2021 (SCI-Expanded)
- VIII. **A novel discrete elephant herding optimization-based PTS scheme to reduce the PAPR of universal filtered multicarrier signal**
Şimşir Ş., TAŞPINAR N.
Engineering Science and Technology, an International Journal, vol.24, pp.1428-1441, 2021 (SCI-Expanded)
- IX. **Performance investigation of long-haul high data rate optical OFDM IM/DD system with different QAM modulations**
TAŞPINAR N., Alhalabi M.
JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS, vol.72, no.3, pp.192-197, 2021 (SCI-Expanded)
- X. **Advanced SLM scheme based on discrete forest optimization algorithm for PAPR minimization in UPMC waveform**
Taşpınar N., Şimşir Ş.
WIRELESS NETWORKS, vol.27, no.2, pp.1353-1368, 2021 (SCI-Expanded)
- XI. **An efficient SLM technique based on migrating birds optimization algorithm with cyclic bit flipping mechanism for PAPR reduction in UPMC waveform**
TAŞPINAR N., Şimşir Ş.
Physical Communication, vol.43, 2020 (SCI-Expanded)
- XII. **A novel discrete cuckoo search algorithm-based selective mapping technique to minimize the peak-to-average power ratio of universal filtered multicarrier signal**
ŞİMŞİR Ş., TAŞPINAR N.
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.33, no.18, 2020 (SCI-Expanded)
- XIII. **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, no.6, pp.1-19, 2020 (SCI-Expanded)
- XIV. **Pilot tones design using particle swarm optimization for OFDM-IDMA system**

- TAŞPINAR N., ŞİMŞİR Ş.
NEURAL COMPUTING & APPLICATIONS, vol.31, no.9, pp.5299-5308, 2019 (SCI-Expanded)
- XV. **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, no.14, 2019 (SCI-Expanded)
- XVI. **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 (SCI-Expanded)
- XVII. **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 (SCI-Expanded)
- XVIII. **Pilot tones design using Grey Wolf Optimizer for OFDM-IDMA system**
ŞİMŞİR Ş., TAŞPINAR N.
PHYSICAL COMMUNICATION, vol.25, pp.259-267, 2017 (SCI-Expanded)
- XIX. **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 (SCI-Expanded)
- XX. **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, no.1, pp.352-364, 2017 (SCI-Expanded)
- XXI. **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, no.1, pp.184-195, 2016 (SCI-Expanded)
- XXII. **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, no.4, pp.2307-2316, 2016 (SCI-Expanded)
- XXIII. **Channel Estimation Using Radial Basis Function Neural Network in OFDM-IDMA System**
Simsir S., TAŞPINAR N.
WIRELESS PERSONAL COMMUNICATIONS, vol.85, no.4, pp.1883-1893, 2015 (SCI-Expanded)
- XXIV. **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 (SCI-Expanded)
- XXV. **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, no.2, pp.205-211, 2015 (SCI-Expanded)
- XXVI. **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, no.8, pp.2173-2178, 2013 (SCI-Expanded)
- XXVII. **Pilot Tones Optimization Using Artificial Bee Colony Algorithm for MIMO-OFDM Systems**
Seyman M. N., TAŞPINAR N.
WIRELESS PERSONAL COMMUNICATIONS, vol.71, no.1, pp.151-163, 2013 (SCI-Expanded)
- XXVIII. **Multiuser 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, no.4, pp.413-419, 2013 (SCI-Expanded)
- XXIX. **Channel estimation based on neural network in space time block coded MIMO-OFDM system**
Seyman M. N., TAŞPINAR N.
DIGITAL SIGNAL PROCESSING, vol.23, no.1, pp.275-280, 2013 (SCI-Expanded)
- XXX. **Neural network based receiver for multiuser detection in MC-CDMA systems**
TAŞPINAR N., Çiçek M.
Wireless Personal Communications, vol.68, no.2, pp.463-472, 2013 (SCI-Expanded)
- XXXI. **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, no.2, pp.373-380, 2013 (SCI-Expanded)
- XXXII. **Down Syndrome Diagnosis Based on Gabor Wavelet Transform**
SARAYDEMİR S., TAŞPINAR N., EROĞUL O., Kayserili H., Dinçkan N.
JOURNAL OF MEDICAL SYSTEMS, vol.36, no.5, pp.3205-3213, 2012 (SCI-Expanded)
- XXXIII. **MIMO-OFDM Channel Estimation Using ANFIS**
Seyman M. N., TAŞPINAR N.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.120, no.4, pp.75-78, 2012 (SCI-Expanded)
- XXXIV. **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, no.3, pp.307-316, 2012 (SCI-Expanded)
- XXXV. **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, no.1, pp.15-23, 2012 (SCI-Expanded)
- XXXVI. **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, no.9, pp.974-976, 2011 (SCI-Expanded)
- XXXVII. **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, no.8, pp.1155-1162, 2011 (SCI-Expanded)
- XXXVIII. **Particle swarm optimization for pilot tones design in MIMO-OFDM systems**
Seyman M. N., TAŞPINAR N.
EURASIP JOURNAL ON ADVANCES IN SIGNAL PROCESSING, 2011 (SCI-Expanded)
- XXXIX. **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, no.1, pp.47-58, 2011 (SCI-Expanded)
- XL. **Channel estimation based on adaptive neuro-fuzzy inference system in OFDM**
Seyman M. N., TAŞPINAR N.
IEICE TRANSACTIONS ON COMMUNICATIONS, no.7, pp.2426-2430, 2008 (SCI-Expanded)
- XLI. **Multiuser 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, no.4, pp.1185-1194, 2007 (SCI-Expanded)
- XLII. **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, no.6, pp.1529-1542, 2006 (SCI-Expanded)

- XLIII. **Hybrid SR ARQ scheme using two dimensional trellis coded modulation and code combining for AWGN channel**
TUNA E., Taspınar N.
FREQUENZ, vol.60, pp.130-133, 2006 (SCI-Expanded)
- XLIV. **Fuzzy inference system for multiuser detection in CDMA systems**
IŞIK Y., Taspınar N.
IEICE TRANSACTIONS ON COMMUNICATIONS, no.5, pp.1692-1695, 2006 (SCI-Expanded)
- XLV. **Multi user detection in asynchronous CDMA systems based on parallel tabu search algorithm**
IŞIK Y., KALINLI A., Taspınar N.
FREQUENZ, vol.59, pp.166-170, 2005 (SCI-Expanded)
- XLVI. **Parallel interference cancellation based on neural network in CDMA systems**
IŞIK Y., Taspınar N.
IEICE TRANSACTIONS ON COMMUNICATIONS, no.2, pp.800-806, 2005 (SCI-Expanded)
- XLVII. **Trellis coded hybrid selective repeat ARQ schemes for point-to-multipoint communication over Rayleigh fading channels**
Taspınar N.
WIRELESS PERSONAL COMMUNICATIONS, vol.27, no.2, pp.117-124, 2003 (SCI-Expanded)
- XLVIII. **An adaptive hybrid SR ARQ scheme using punctured trellis coded modulation and code combining**
Taspınar N., TUNA E.
IEICE TRANSACTIONS ON COMMUNICATIONS, no.10, pp.2338-2340, 2002 (SCI-Expanded)
- XLIX. **Hybrid SR ARQ scheme using trellis coded modulation for point-to-multipoint communication over nonstationary channels**
TAŞPINAR N.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.10, no.1, pp.111-118, 2002 (SCI-Expanded)
- L. **A new stop-and-wait type-II hybrid ARQ scheme using rate-compatible convolutional codes**
Taspınar N.
EUROPEAN TRANSACTIONS ON TELECOMMUNICATIONS, vol.7, no.6, pp.581-583, 1996 (SCI-Expanded)
- LI. **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, no.6, pp.993-998, 1994 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Novel SLM Scheme For Peak-To-Average Power Ratio Reduction In WOLA-OFDM System**
Şimşir Ş., Taşpınar N.
Journal of Engineering Sciences and Researches, vol.6, no.2, pp.177-187, 2024 (Peer-Reviewed Journal)
- II. **Cooperative Spectrum Sensing Using Reptile Search Algorithm in Cognitive Radio**
Ketenci B., Taşpınar N., Şamı T. M.
Journal of Engineering Sciences and Researches, vol.5, no.2, pp.383-389, 2023 (Peer-Reviewed Journal)
- III. **Reduction of Peak-to-Average Power Ratio Using SLM Method in OFDM-IM System**
Aközlü K., TAŞPINAR N.
Mühendislik bilimleri ve araştırmaları dergisi (Online), vol.5, no.1, pp.108-114, 2023 (Peer-Reviewed Journal)
- IV. **Bidirectional intensity modulated/direct detection optical OFDM WDM-PON system**
Alhalabi M., TAŞPINAR N., ElNahal F. I.
OPTOELECTRONICS LETTERS, vol.19, no.2, pp.83-87, 2023 (ESCI)
- V. **Resource Allocation Based on SFLA Algorithm for D2D Multicast Communications**
Mahdi W. H., Taşpınar N.
COMPUTER SYSTEMS SCIENCE AND ENGINEERING, vol.45, no.2, pp.1517-1530, 2023 (Scopus)
- VI. **Katı Hal Güç Kuvvetlendiricisinin LC-GFDM İletim Sinyali Üzerindeki Etkisinin İncelenmesi**

- Şimşir Ş., Taşpınar N.
Mühendislik bilimleri ve araştırmaları dergisi (Online), vol.4, no.2, pp.227-235, 2022 (Peer-Reviewed Journal)
- VII. **A Novel Selective Mapping Method based on Cumulative Symbol Optimization for PAPR Minimization in Low Complexity GFDM Transmitter**
ŞİMŞİR Ş., TAŞPINAR N.
Avrupa Bilim ve Teknoloji Dergisi, no.35, pp.168-176, 2022 (Peer-Reviewed Journal)
- VIII. **Performance Investigation of Bidirectional Hybrid Long-Haul Optical IM/DD OFDM WDM-PON Using OOK-RSOA Remodulation**
Alhalabi M., TAŞPINAR N.
Journal of Engineering Sciences and Research, vol.4, no.1, pp.54-61, 2022 (Peer-Reviewed Journal)
- IX. **Application of Intelligent Optimization Techniques to Spectral and Energy Efficiencies in Massive MIMO Systems at Different Circuit Power Level**
Gül B. K., Taşpınar N.
Journal of Engineering Sciences and Researches, vol.3, no.1, pp.102-111, 2021 (Peer-Reviewed Journal)
- X. **PAPR Reduction using selective mapping scheme in universal filtered multicarrier waveform**
Şimşir Ş., Taşpınar N.
International Advanced Researches and Engineering Journal, vol.4, no.3, pp.233-238, 2020 (Peer-Reviewed Journal)
- XI. **Usage of multi-objective genetic and multi-objective differential evolution algorithms on energy and spectral efficiencies in massive MIMO systems**
Gül B. K., Taşpınar N.
Global Journal of Engineering and Technology Advances, vol.5, no.1, pp.18-24, 2020 (Peer-Reviewed Journal)
- XII. **Comparison between high orders Phase Shift Keying (PSK) and Quadrature Amplitude Modulation (QAM) for Coherent Detection Optical Frequency Division Multiplexing System (COOFDM)**
Alhalabi M., Taşpınar N.
IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE), vol.15, no.5, pp.1-8, 2020 (Peer-Reviewed Journal)
- XIII. **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 (Peer-Reviewed Journal)
- XIV. **PAPR reduction performance of bat algorithm in OFDM systems**
TOKUR BOZKURT Y., TAŞPINAR N.
International Advanced Researches and Engineering Journal, vol.3, no.3, pp.150-155, 2019 (Peer-Reviewed Journal)
- XV. **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 (Peer-Reviewed Journal)
- XVI. **Tandem hybrid SR ARQ scheme for point-to-multipoint satellite communications**
Taşpınar N.
Turkish Journal of Physics, vol.19, no.11, pp.1396-1401, 1995 (Scopus)
- XVII. **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, pp.1-6, 1995 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **PAPR Reduction Using Invasive Weed Optimization Algorithm in FBMC-OQAM Systems**

Taşpınar N., Canbaz H.

Kleinheubacher Tagung 2024 (KH 2024), Würzburg, Germany, 24 - 26 September 2024, pp.1-4

- II. **PAPR Reduction Using Particle Swarm Optimisation Algorithm in OFDM-IM Systems**
Taşpınar N., Aközlü K.
Kleinheubacher Tagung 2023 (KH 2023), Würzburg, Germany, 26 - 28 September 2023, pp.1-4
- III. **Cooperative Spectrum Sensing Using Bat Algorithm in Cognitive Radio**
Taşpınar N., Ketenci B.
2023 International Conference on Information Technology (ICIT), Amman, Jordan, 9 - 10 August 2023, pp.730-733
- IV. **A New Multi-objective Ali Baba and the Forty Thieves Optimization Algorithm**
Gül B. K., Taşpınar N.
58th International Scientific Conference on Information, Communication and Energy Systems and Technologies (ICEST), Nish, Serbia, 29 June - 01 July 2023, pp.127-130
- V. **Resource Allocation Using Gray Wolf Optimization Algorithm For Device To Device Communication**
Taşpınar N., Mahdi W. H.
Kleinheubacher Tagung 2022 (KH 2022), Würzburg, Germany, 27 - 29 September 2022, pp.1-4
- VI. **PSO and GA based RA Schemes for 5G Networks for D2D Communication**
Mahdi W. H., Taşpınar N.
4th International Conference on Communication and Computational Technologies (ICCCCT 2022), Jaipur, India, 26 - 27 February 2022, pp.629-642
- VII. **Overview for Parallel Particle Swarm Optimization Algorithms (PPSO)**
Mahdi W. H., Taşpınar N.
14 th INTERNATIONAL CONFERENCE on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE (ECAI 2022), Ploiesti, Romania, 30 June - 01 July 2022, pp.252-255
- VIII. **Application of Multi-objective Artificial Bee Colony Algorithm to Spectral and Energy Efficiencies Trade-off in Massive MIMO Systems**
Gül B. K., Taşpınar N.
14 th INTERNATIONAL CONFERENCE on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE (ECAI 2022), Ploiesti, Romania, 30 June - 01 July 2022, pp.390-395
- IX. **Usage of Intelligent Optimization Techniques for Estimation of Pareto Optimal Front of Spectral Efficiency-Energy Efficiency Trade-off in Massive MIMO Systems**
Gül B. K., Taşpınar N.
The Palestinian International Conference on Information and Communication Technology (PICICT 2021) , 28 - 29 September 2021
- X. **Power and Subcarrier Allocation in Downlink NOMA Systems: Equal Power Allocation and DC Programming Approach**
Haq H., Taşpınar N.
The Palestinian International Conference on Information and Communication Technology (PICICT 2021), 28 - 29 September 2021
- XI. **PERFORMANCE INVESTIGATION OF BIDIRECTIONAL OPTICAL IM/DD OFDM WDM-PON USING RSOA AS A COLORLESS TRANSMITTER**
Alhalabi M., Taşpınar N., Elnahal F. I.
15th International Conference ETAI 2021, Skopje, Macedonia, 23 - 24 September 2021
- XII. **INVESTIGATION OF EFFECT OF THE PILOT REUSE FACTOR VIA INTELLIGENT OPTIMIZATIONS ON ENERGY AND SPECTRAL EFFICIENCIES TRADE-OFF IN MASSIVE MIMO SYSTEMS**
Gül B. K., Taşpınar N.
15th International Conference ETAI 2021, Skopje, Macedonia, 23 - 24 September 2021
- XIII. **PARTICLE SWARM OPTIMIZATION (PSO) BASED RESOURCE ALLOCATION FOR DEVICE TO DEVICE COMMUNICATION FOR 5G NETWORK**
Mahdi W. H., Taşpınar N.
15th International Conference ETAI 2021, Skopje, Macedonia, 23 - 24 September 2021
- XIV. **Investigation Of Effect Of Communication Bandwidth And Length Of Coherence Block On**

Energy Efficiency And Area Throughput In Massive Multiple-Input And Multiple-Output Systems

GÜL B. K., TAŞPINAR N.

4th International Symposium on Innovative Approaches in Engineering and Natural Sciences, 22 - 24 November 2019

- XV. **INVESTIGATION OF THE EFFECT OF USED POWER LEVELS ON ENERGY AND SPECTRAL EFFICIENCY IN MASSIVE MULTIPLE-INPUT AND MULTIPLE OUTPUT SYSTEMS**
GÜL B. K., TAŞPINAR N.
VIII. UMTEB INTERNATIONAL CONGRESS ON VOCATIONAL TECHNICAL SCIENCES, 11 - 13 October 2019
- XVI. **INVESTIGATION OF THE EFFECT OF INTER-CELL INTERFERENCE ON ENERGY AND SPECTRAL EFFICIENCY IN MASSIVE MULTIPLE-INPUT AND MULTIPLE OUTPUT SYSTEMS**
GÜL B. K., TAŞPINAR N.
III. International Scientific and Vocational Studies Congress - Engineering, 27 - 30 June 2019
- XVII. **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
- XVIII. **PAPR Reduction based on Partial Transmit Sequence Technique in UFMC Waveform**
Taşpınar N., Şimşir Ş.
14th Iberian Conference on Information Systems and Technologies, Coimbra, Portugal, 19 - 22 June 2019
- XIX. **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
- XX. **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
- XXI. **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
- XXII. **PERFORMANCE COMPARISON OF COLORLESS DIFFERENT OPTICAL SOURCES AND DIFFERENT MODULATION FORMATS FOR BIDIRECTIONAL WDM-PON SYSTEMS**
Alhalabi M., ElNahal F. I., TAŞPINAR N.
II. International Scientific and Vocational Studies Congress, 5 - 08 July 2018
- XXIII. **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
- XXIV. **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
- XXV. **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
- XXVI. **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

- XXVII. **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
- XXVIII. **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.
33rd Research World International Conference, Barcelona, Spain, 24 - 25 July 2017, pp.5-9
- XXIX. **A PAPR reduction method based on parallel ant colony optimization using PTS scheme in OFDM systems**
TAŞPINAR N., KALINLI A., YILDIRIM M., BENLİ H.
Asia-Pacific Conference on Engineering and Applied Science (APCEAS), Tokyo, Japan, 25 - 27 August 2016, pp.48-58
- XXX. **The investigation of the effect of the carrier frequency offset(CFO) in SC-FDMA System**
TAŞPINAR N., Balki M.
39th International Convention on Information and Communication Technology, Electronics and Microelectronics (MIPRO), Opatija, Croatia, 30 May - 03 June 2016, pp.495-498
- XXXI. **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
- XXXII. **Channel estimation techniques in OFDM-IDMA systems**
TAŞPINAR N., Şimşir Ş.
2014 2nd International Symposium on Wireless Systems within the Conferences on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS-SWS 2014, Odessa, Ukraine, 11 - 12 September 2014, pp.10-14
- XXXIII. **Channel Estimation Using Neural Network in Orthogonal Frequency Division Multiplexing-Interleave Division Multiple Access (OFDM-IDMA) System**
Simsir S., TAŞPINAR N.
International Telecommunications Symposium (ITS), Sao-Paulo, Brazil, 17 - 20 August 2014
- XXXIV. **A Medical Decision Support System Based on Gabor Fisher Classifier for Evaluation of Down Syndrome Affecteds**
Saraydemir S., TAŞPINAR N., Eroglu O., Kayserili H.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.2253-2256
- XXXV. **Peak-to-average power ratio reduction using artificial bee colony algorithm in wavelet packet modulation**
TAŞPINAR N., YILDIRIM M.
5th International Conference on Communication Software and Networks (ICCSN 2013), Kuala Lumpur, Malaysia, 8 - 09 June 2013, pp.265-269
- XXXVI. **Channel Estimation Based on Neural Network in OFDM System for Powerline Communication**
TAŞPINAR N., Sulev A.
International Conference on Electronics, Computers and Artificial Intelligence(ECAI), Pitesti, Romania, 27 - 29 June 2013, no.4
- XXXVII. **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.
9th International Conference on ELEKTRO 2012, Zilina - Rajecke Teplice, Slovakia, 21 - 22 May 2012, pp.377-381
- XXXVIII. **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.
Second World Conference on Information Technology (WCIT-2011), Antalya, Turkey, 22 - 26 November 2011, pp.1041-1046

- XXXIX. **Back Propagation Neural Network Approach for Channel Estimation in OFDM System**
TAŞPINAR N., Seyman M. N.
IEEE International Conference on Wireless Communications, Networking and Information Security (WCNIS),
Beijing, China, 25 - 27 June 2010, pp.265-266
- XL. **Çok Taşıyıcılı Kod Bölmeli Çoklu Erişim (MC-CDMA) Sistemlerinde Kanal Kestirimi**
ÖZDEMİR G., TAŞPINAR N.
HABTEKUS'2009, Haberleşme Teknolojileri ve Uygulamaları Sempozyumu, İstanbul, Turkey, 9 - 11 December 2009,
pp.153-155
- XLI. **OFDM ile MC-CDMA Sistemlerinin Karşılaştırılması**
ÖZDEMİR G., TAŞPINAR N.
İTUSEM'2009, IV. İletişim Teknolojileri Ulusal Sempozyumu, Adana, Turkey, 15 - 16 October 2009, pp.103-106
- XLII. **Channel Estimation for OFDM Systems Using Radial Basis Function Networks**
SEYMAN M., TAŞPINAR N.
6th International Conference on Electrical Engineering (ICEENG), Kahire, Egypt, 27 - 29 May 2009, pp.0-9
- XLIII. **Multuser detection based on neural network for multicarrier code division multiple access systems**
ÇİÇEK M., IŞIK Y., TAŞPINAR N.
6th International Conference on Electrical Engineering (ICEENG), Kahire, Egypt, 27 - 29 May 2009, pp.0-11
- XLIV. **Uçak İçi OFDM Tabanlı Kablosuz İnternet Erişimi**
SEYMAN M., ÖZDEMİR G., TAŞPINAR N.
HASEM'2008, Kayseri VII. Havacılık Sempozyumu, Kayseri, Turkey, 15 - 16 May 2008, pp.282-285
- XLV. **Hybrid SR ARQ scheme using two dimensional trellis coded modulation and code combining technique for AWGN channel İki boyutlu kafes kodlu modülasyon ve kod birleştirme tekniğini kullanan karma SR ARQ sisteminin AWGN kanal için başarımların analizi**
Tuna E., TAŞPINAR N.
IEEE 13th Signal Processing and Communications Applications Conference, SIU 2005, Kayseri, Turkey, 16 - 18 May 2005, vol.2005, pp.348-351
- XLVI. **Peak to average power ratio reduction of OFDM systems using partial-transmit sequence OFDM sistemlerinde tepe gücü-ortalama güç oranının kısmi iletim dizileri ile düşürülmesi**
Örtlek E. S., TAŞPINAR N.
IEEE 13th Signal Processing and Communications Applications Conference, SIU 2005, Kayseri, Turkey, 16 - 18 May 2005, vol.2005, pp.368-371
- XLVII. **Power Control by using Neural Network in the synchronous CDMA Systems**
IŞIK Y., TAŞPINAR N.
International Fourteenth Turkish Symposium on Artificial Intelligence and Neural Networks (TAINN'2005), İzmir, Turkey, 16 - 17 June 2005, pp.393-399
- XLVIII. **Multuser Detection with Neural Network MAI Detector in Asynchronous CDMA Systems**
IŞIK Y., TAŞPINAR N.
International Fourteenth Turkish Symposium on Artificial Intelligence and Neural Networks (TAINN'2005), İzmir, Turkey, 16 - 17 June 2005, pp.447-454
- XLIX. **Hybrid SR ARQ scheme using rate 2/3 4-state asymmetric TCM and code combining technique for AWGN Channel**
TUNA E., TAŞPINAR N.
International Conference on Electrical and Electronics Engineering (ELECO '2003), Bursa, Turkey, 3 - 07 December 2003, pp.294-297
- L. **Multi user detection in CDMA by parallel interference cancellation realized with neural network**
IŞIK Y., TAŞPINAR N.
International Twelfth Turkish Symposium on Artificial Intelligence and Neural Networks (TAINN'2003), Çanakkale, Turkey, 2 - 04 July 2003, pp.106-113
- LI. **Hybrid SR ARQ scheme using multiple trellis coded modulation and code combining**
TAŞPINAR N., TUNA E.
Sixteenth International Symposium on Computer and Information Sciences (ISCIS-XVI), Antalya, Turkey, 5 - 07

November 2001, pp.424-428

- LII. **Stop-and-wait type-II hybrid ARQ Scheme using code combining and code comparing techniques**
TAŞPINAR N.
IEEE International Conference on Telecommunications (ICT'2001), Bükreş, Romania, 4 - 07 June 2001, pp.391-394
- LIII. **Type-I hybrid SR ARQ scheme using Sequential Decoding with code Combining for point-to-multipoint communication over interleaved slowly varying Fading channel**
TAŞPINAR N.
IEEE International Conference on Telecommunications (ICT'2001), Bükreş, Romania, 4 - 07 June 2001, pp.207-210
- LIV. **Hybrid ARQ scheme using TCM and MTCM with together code combining over Rician Fading channel**
TAŞPINAR N., TUNA E.
Fifteenth International Symposium on Computer and Information Sciences (ISCIS-XV), İstanbul, Turkey, 11 - 13 October 2000, pp.321-329
- LV. **Hybrid SR ARQ scheme using Trellis Coded Modulation and code combining for point-to-multipoint communications**
TAŞPINAR N.
Fourteenth International Symposium on Computer and Information Sciences (ISCIS-XIV), Aydın, Turkey, 18 - 20 October 1999, pp.1049-1052
- LVI. **Time-dependent ARMA modeling of continuous wave ultrasonic Doppler signals**
Yuksel M., Kara S., Taspinar N.
8th IEEE Signal Processing Workshop on Statistical Signal and Array Processing (SSAP), CORFU, Greece, 24 - 26 June 1996, pp.260-263
- LVII. **Time-varying parametric modeling and simulation of ultrasonic Doppler signals**
Yuksel M., Kara S., Taspinar N.
IEEE-SP International Symposium on Time-Frequency and Time-Scale Analysis, Paris, France, 18 - 21 June 1996, pp.157-160
- LVIII. **Generalized type-II hybrid ARQ scheme using punctured convolutional coding for point-to-multipoint communication over interleaved Rayleigh fading AWGN channel**
Taspinar N., Kesgin A.
IEEE Global Telecommunications Conference, Singapore, Singapore, 14 - 16 November 1995, pp.2257-2261
- LIX. **Type-I hybrid SR ARQ scheme using sequential decoding for point-to-multipoint communication over nonstationary channel**
TAŞPINAR N.
SBT/IEEE International Telecommunications Symposium, Rio De Janeiro, Brazil, 22 - 25 August 1994, pp.97-101
- LX. **GENERALIZED TYPE-II HYBRID SR ARQ SYSTEM USING PUNCTURED CONVOLUTIONAL CODING FOR POINT-TO-MULTIPOINT COMMUNICATIONS**
TASPINAR N.
7th Mediterranean Electrotechnical Conference (MeleCON 94), Antalya, Turkey, 12 - 14 April 1994, pp.211-214
- LXI. **Incremental redundancy SR ARQ system using sequential decoding and code combining technique for point-to-multipoint communications**
TAŞPINAR N.
Eighth International Symposium on Computer and Information Sciences (ISCIS-VIII), İstanbul, Turkey, 1 - 03 November 1993, pp.523-526
- LXII. **Type-II hybrid SR ARQ system using Viterbi decoding and code combining technique for point-to-multipoint communications**
TAŞPINAR N.
Seventh International Symposium on Computer and Information Sciences (ISCIS-VII), Antalya, Turkey, 2 - 04 November 1992, pp.541-544
- LXIII. **Type-I hybrid SR ARQ system using sequential decoding and code combining technique for point-to-multipoint computer communications**
TAŞPINAR N.
Sixth International Symposium on Computer and Information Sciences (ISCIS-VI), Antalya, Turkey, 30 October - 02

Supported Projects

- TAŞPINAR N., KETENCİ B., Project Supported by Higher Education Institutions, Bilişsel Radyo Ağlarında Zeki Optimizasyon Teknikleri Kullanılarak Spektrum Algılama, 2022 - 2024
- TAŞPINAR N., MAHDI W. H. M., Project Supported by Higher Education Institutions, Cihazdan Cihaza (D2D) Haberleşmede Zeki Optimizasyon Tekniklerini Kullanarak Kaynak Tahsisi, 2021 - 2024
- TAŞPINAR N., ALHALABI M. Y. K., Project Supported by Higher Education Institutions, Optik Haberleşme Sistemlerinde Zeki Optimizasyon Teknikleri ile Tepe Gücü / Ortalama Güç Oranının Düşürülmesi, 2019 - 2023
- TAŞPINAR N., ŞİMŞİR Ş., Project Supported by Higher Education Institutions, Beşinci Nesil Dalga Formu Adaylarında Zeki Optimizasyon Teknikleriyle Tepe Gücü Ortalama Güç Oranının Düşürülmesi, 2018 - 2021
- TAŞPINAR N., RAJPUT S. M., Project Supported by Higher Education Institutions, Yapay arı kolonisi algoritması ile birleştirilmiş yapay sinir ağı kullanarak OFDM sisteminde kanal kestirimi (Channel estimation in OFDM system using neural network combined with artificial bee colony algorithm), 2017 - 2018
- TAŞPINAR N., YILDIRIM M., Project Supported by Higher Education Institutions, Kablosuz haberleşme sistemlerinde zeki optimizasyon teknikleri ile tepe gücü/ortalama güç oranının düşürülmesi., 2012 - 2018
- TAŞPINAR N., ŞİMŞİR Ş., TUBITAK Project, Dikgen Frekans Bölmeli Çoğullama-Serpiştirme Bölmeli Çoklu Erişim (OFDM-IDMA) sistemlerinde yapay zeka teknikleri ile pilot tonların optimizasyonu , 2015 - 2016
- TAŞPINAR N., HAZNEDAR H., YILDIRIM M., TUBITAK Project, Kablosuz Haberleşme Sistemlerinde Tepe Gücü – Ortalama Güç Oranının (Tg-Ogo) Düşürülmesi İçin Yapay Zeka Optimizasyon Algoritmalarına Dayalı Paralel Hesaplama Yöntemlerinin Grafik İşlemci Birimi (Gpu) Üzerinde Gerçekleştirilmesi, 2015 - 2016
- TAŞPINAR N., BALKİ M., Project Supported by Higher Education Institutions, Tek Taşıyıcılı Frekans Bölmeli Çoklu Erişim (SC-FDMA) Sistemlerinde Taşıyıcı Frekans Kaymasının Kestirimi, 2014 - 2016
- TAŞPINAR N., ŞİMŞİR Ş., Project Supported by Higher Education Institutions, Dikgen Frekans Bölmeli Çoğullama-Serpiştirme Bölmeli Çoklu Erişim (OFDM-IDMA) sistemlerinde yapay zeka teknikleri ile kanal kestirimi, 2013 - 2015
- TAŞPINAR N., SÜLEV A., Project Supported by Higher Education Institutions, Enerji Hatları Üzerinden Haberleşme için Dikgen Frekans Bölmeli Çoğullama Sistemlerinde Yapay Zeka Teknikleri ile Kanal Kestirimi., 2012 - 2014
- TAŞPINAR N., AKKAYA S., Project Supported by Higher Education Institutions, Kablosuz haberleşmede kullanılan karma ARQ sistemleri., 2010 - 2012
- TAŞPINAR N., YILDIRIM M., Project Supported by Higher Education Institutions, ÇOK TAŞIYICILI KOD BÖLMELİ ÇOKLU ERİŞİM (MC-CDMA) SİSTEMLERİNDE TEPE GÜCÜ/ORTALAMA GÜÇ ORANININ YAPAY ZEKA TEKNİKLERİ İLE DÜŞÜRÜLMESİ., 2009 - 2011
- TAŞPINAR N., IŞIK Y., ÇİÇEK M., Project Supported by Higher Education Institutions, ÇOK TAŞIYICILI KOD BÖLMELİ ÇOKLU ERİŞİM (MC-CDMA) SİSTEMLERİNDE ÇOK KULLANICILI SEZME TEKNİKLERİ, 2006 - 2008

Scientific Refereeing

- IT PROFESSIONAL, SCI Journal, January 2025
- PHOTONIC NETWORK COMMUNICATIONS, SCI Journal, December 2024
- ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, SCI Journal, October 2024
- OPTICAL AND QUANTUM ELECTRONICS, SCI Journal, July 2024
- IEEE INTERNET OF THINGS JOURNAL, SCI Journal, June 2024
- JOURNAL OF THE FRANKLIN INSTITUTE, SCI Journal, May 2024
- COMPUTERS AND ELECTRICAL ENGINEERING, SCI Journal, March 2024
- AD HOC NETWORKS, SCI Journal, January 2024
- CMC-Computers, Materials & Continua, SCI Journal, November 2023
- SCIENTIFIC REPORTS, SCI Journal, November 2023
- IEEE ACCESS, SCI Journal, September 2023

TELECOMMUNICATION SYSTEMS, SCI Journal, September 2023
WIRELESS PERSONAL COMMUNICATIONS, SCI Journal, August 2023
HELIYON, SCI Journal, August 2023
DIGITAL SIGNAL PROCESSING: A REVIEW JOURNAL, SCI Journal, July 2023
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, SCI Journal, July 2023
SIMULATION MODELLING PRACTICE AND THEORY, SCI Journal, June 2023
Transactions on Emerging Telecommunications Technologies, SCI Journal, June 2023
PHYSICAL COMMUNICATION, SCI Journal, May 2023
ENGINEERING SCIENCE AND TECHNOLOGY, AN INTERNATIONAL JOURNAL, SCI Journal, May 2023
Transactions on Emerging Telecommunications Technologies, SCI Journal, April 2023
IEEE SYSTEMS JOURNAL, SCI Journal, April 2023
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, SCI Journal, March 2023
ELECTRIC POWER COMPONENTS AND SYSTEMS, SCI Journal, January 2023
OPTIK, SCI Journal, January 2023
IEEE ACCESS, SCI Journal, January 2023
EGYPTIAN INFORMATICS JOURNAL, SCI Journal, January 2023
PEER-TO-PEER NETWORKING AND APPLICATIONS, SCI Journal, January 2023
INTERNET TECHNOLOGY LETTERS, SCI Journal, November 2022
IEEE TRANSACTIONS ON COMMUNICATIONS, SCI Journal, June 2022
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, SCI Journal, June 2022
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, SCI Journal, May 2022
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, SCI Journal, May 2022
PHYSICAL COMMUNICATION, SCI Journal, April 2022
WIRELESS COMMUNICATIONS & MOBILE COMPUTING, SCI Journal, April 2022
IET OPTOELECTRONICS, SCI Journal, April 2022
IEEE TRANSACTIONS ON SIGNAL PROCESSING, SCI Journal, February 2022
Canadian Journal of Electrical and Computer Engineering, SCI Journal, February 2022
ALEXANDRIA ENGINEERING JOURNAL, SCI Journal, January 2022
CYBERNETICS AND SYSTEMS, SCI Journal, January 2022
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, SCI Journal, October 2021
PHYSICAL COMMUNICATION, SCI Journal, May 2021
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, SCI Journal, June 2020
IEEE ACCESS, SCI Journal, October 2019
Computer Communications, SCI Journal, February 2017
ETRI Journal, SCI Journal, January 2017
IEICE Transactions on Communications, SCI Journal, August 2014
EURASIP Journal on Wireless Communications and Networking, SCI Journal, February 2014
IEEE Transactions on Wireless Communications, SCI Journal, February 2014
Turkish Journal of Electrical Engineering and Computer Science, SCI Journal, December 2013
IEEE Communications Letters, SCI Journal, December 2013
IET Communications, SCI Journal, October 2013
AEÜ-International Journal of Electronics and Communications, SCI Journal, September 2013
IEEE Transactions on Communications, SCI Journal, September 2012
Neural computing and applications, SCI Journal, May 2012
Wireless Personal Communications, SCI Journal, May 2012
Annals of Telecommunications, SCI Journal, May 2012

Tasks In Event Organizations

Taşpınar N., 32. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU 2024), Scientific Congress, Turkey, Mayıs 2024
Taşpınar N., V. Kayseri Havacılık Sempozyumu, Scientific Congress, Kayseri, Turkey, Mayıs 2004

Metrics

Publication: 132

Citation (WoS): 592

Citation (Scopus): 679

H-Index (WoS): 15

H-Index (Scopus): 15