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Personal Information

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Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği Abd, Turkey 1986 - 1989

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Elektrik Elektronik Mühendisliği, Turkey 1984 - 1986

Undergraduate, Erciyes University, Mühendislik Fakültesi, Elektronik Mühendisliği, Turkey 1978 - 1982

Research Areas

Electrical and Electronics Engineering, Electronic, Electronic Circuits, Optics and Photonics, Engineering and Technology

Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği , 2000 - Continues

Associate Professor, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği , 1993 - 2000

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği , 1989 - 1993

Academic and Administrative Experience

Erciyes Üniversitesi, Klinik Mühendisliği, Uygulama Ve Araştırma Merkezi, 2010 - Continues

Erciyes Üniversitesi, Mühendislik Fakültesi, 2015 - 2016

Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, 2006 - 2014

Erciyes Üniversitesi, Mühendislik Fakültesi, 2009 - 2012

Erciyes Üniversitesi, Mühendislik Fakültesi, Elektronik Mühendisliği Bölümü, 2005 - 2010

Erciyes Üniversitesi, Mühendislik Fakültesi, Elektronik Mühendisliği Bölümü, 1992 - 1998

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **In silico testing of optimized Fuzzy P plus D controller for artificial pancreas**
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- II. **Blood glucose control using an ABC algorithm-based fuzzy-PID controller**
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- III. **A comparative study of two different FPGA-based arrhythmia classifier architectures**
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- V. **Fully parallel ANN-based arrhythmia classifier on a single-chip FPGA: FPAAC**
ÖZDEMİR A. T. , DANIŞMAN K.
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- VI. **Artificial neural network based chaotic generator for cryptology**
DALKIRAN I., DANIŞMAN K.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.18, no.2, pp.225-240, 2010 (Peer-Reviewed Journal)
- VII. **Modelling of the hysteresis effect of target voltage in reactive magnetron sputtering process by using neural networks**
DANIŞMAN K., DANISMAN S., SAVAŞ S., DALKIRAN I.
SURFACE & COATINGS TECHNOLOGY, vol.204, no.5, pp.610-614, 2009 (Peer-Reviewed Journal)
- VIII. **"Modelling of the Hysteresis Effect of Target Voltage in Reactive Magnetron Sputtering Process by Using Neural Networks", Surface and Coatings Technology**
DANIŞMAN K., DANIŞMAN Ş., SAVAŞ S., DALKIRAN I.
SURFACE TECHNOLOGY, pp.604-614, 2009 (Peer-Reviewed Journal)
- IX. **Design of a high precision temperature measurement system based on artificial neural network for different thermocouple types**
Danisman K., DALKIRAN I., CELEBI F. V.
MEASUREMENT, vol.39, no.8, pp.695-700, 2006 (Peer-Reviewed Journal)
- X. **Injection level dependence of the gain, refractive index variation, and alpha (alpha) parameter in broad-area InGaAs deep quantum-well lasers**
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- XI. **A hardware-implemented truly random key generator for secure biometric authentication systems**
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- XII. **Design of a high precision temperature measurement system**
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- XIII. **Neural estimator to determine alpha parameter in terms of quantum-well number**
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- XIV. **Modelling of the linewidth enhancement factor with the use of radial basis function network**
SAGIROGLU S., CELEBI F., Danisman K.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.56, no.1, pp.51-54, 2002 (Peer-Reviewed Journal)
- XV. **A laser succesive pulse heating of a moving slab: Akinetic theory approach**
YILBAS B. S. , SAMI M., Danisman K.
JAPANESE JOURNAL OF APPLIED PHYSICS PART 1-REGULAR PAPERS SHORT NOTES & REVIEW PAPERS, vol.37, pp.1855-1864, 1998 (Peer-Reviewed Journal)
- XVI. **STUDY OF SOME CHARACTERISTICS OF THE PLASMA GENERATED DURING A CO₂-LASER BEAM CUTTING PROCESS**

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- II. **Neural Predictor for Temperature Estimation**
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Gazi Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.15, pp.47-56, 2002 (Peer-Reviewed Journal)
- III. **Volterra-Wiener Serisi Kullanarak Optik Geribeslemeli Yarıiletken Lazer Diyodun Sistem Kararlılık Analizi**
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İĞDIR ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.11, no.4, pp.711-726, 1998 (Peer-Reviewed Journal)
- IV. **Kazanç Kılavuzlanmış BH Yarıiletken Lazer Diyodun Matematiksel Analizi**
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İĞDIR ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.10, no.2, pp.173-183, 1997 (Peer-Reviewed Journal)
- V. **Dođrusal Deđişen Fark Transformatörlerinin (LVDT) Çalışma Prensipleri, Özellikleri ve Uygulamaları**
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Erciyes Ün. Fen Bilimleri Dergisi, 1992 (Peer-Reviewed Journal)
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SPIE ,Pulse Power for Laser III, pp.100-106, 1991 (Peer-Reviewed Journal)
- VII. **The Development of the Computer Controlled Electro-Fibre Optic System for Surface Roughness Measurement of Metals**
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- I. **DEVELOPMENT OF A SMART BALANCE DEVICE FOR USE IN PHYSICAL THERAPY AND REHABILITATION**
Padak G. E. , Saçu İ. E. , Daniřman K.
9. ULUSLARARASI İSTANBUL BİLİMSEL ARAřTIRMALAR KONGRESİ, İstanbul, Turkey, 14 - 15 May 2022, pp.1013-1019
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- III. **Determination of ST Segment in EECF System Application by Artificial Neural Networks**
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- IV. **Yaygın Üç Tip 1 Diyabet Benzetim Modelinin Karşılaştırılması**
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- V. **Comparison of PID based Control Algorithms for Daily Blood Glucose Control**
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2nd International Conference on Electrical Engineering and Electronics (EEE'16), Budapeşte, Hungary, 16 - 17 August 2016
- VI. **Closed-Loop Control of Blood Glucose Level in Type-1 Diabetics: A Simulation Study**
SOYLU S., DANIŞMAN K., SAÇU I. E. , ALÇI M.
8th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30 November 2013, pp.371-375
- VII. **Tip 1 Diyabetiklerde Kan Şekeri Seviyesinin Açık ve Kapalı Döngü Kontrolü**
SOYLU S., DANIŞMAN K.
Otomatik Kontrol Ulusal Toplantısı, Malatya, Turkey, 1 - 04 September 2013, pp.196-201
- VIII. **FPGA Üzerinde Hibrit Sayısal Modelleme**
ÖZDEMİR A. T. , DANIŞMAN K.
Elektrik, Elektronik, Bilgisayar ve Biyomedikal Mühendisliği Sempozyumu ve Sergisi ELECO, Bursa, Turkey, 6 - 10 December 2010, pp.307-310
- IX. **Hemşire Çağrı Fonksiyonlu Hasta Yatağı**
Babacan D., ÖZDEMİR A. T. , DANIŞMAN K.
Ulusal Kongre, Ankara, Turkey, 23 - 26 December 2009, pp.1-4
- X. **Hemşire Çağrı Özellikli Elektrikli Hasta Karyolası**
Babacan D., ÖZDEMİR A. T. , DANIŞMAN K.
Elektrik-Elektronik-Bilgisayar ve Biyomedikal Mühendisliği Ulusal Kongresi ve Fuarı, Ankara, Turkey, 23 - 26 December 2009, pp.1-4
- XI. **FPGA Tabanlı Aritmi Sınıflandırıcı**
ÖZDEMİR A. T. , DANIŞMAN K., ASYALI M. H.
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- XII. **FPGA Based Arrhythmia Classifier**
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- XIII. **Kapasitif ve Anahtarlamalı Güç Kaynaklarında Yayılım Ve İletim Gürültülerinin Deneysel Olarak İncelenmesi**
ÖZDEMİR A. T. , DANIŞMAN K.
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- XIV. **Aritmi Sınıflandırmada Kullanılan Yapay Sinir Ağlarının Karmaşıklığının Azaltılması**
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- XV. **Aritmi Sınıflandırmada Kullanılan Yapay Sinir Ağlarının Karmaşıklığın Azaltılması**
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- XVII. **Kaotik Chua Devresinin Dinamiklerinin YSA ile Tahmin Edilmesi**
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- XVIII. **GPRS based AMR System for GAS Meters**
ÖZDEMİR A. T. , DANIŞMAN K., Kesginci A. A.

- International Symposium and Exhibition on Natural Gas Operations, İstanbul, Turkey, 24 - 26 April 2007, pp.1-11
- XXIX. GPRS Tabanlı Doğalgaz Takip Sistemi**
ÖZDEMİR A. T. , DANIŞMAN K., Kesgin A. A.
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- XX. Prediction of dynamics of chaotic Chua's circuit with artificial neural network**
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IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Turkey, 11 - 13 June 2007, pp.684-685
- XXI. A Multi-layer Perceptron Network Model for a Quantum-well Laser Diode**
Celebi F. V. , DANIŞMAN K.
International Conference on Computing and Informatics, Kuala-Lumpur, Malaysia, 6 - 08 June 2006, pp.601-602
- XXII. Linearizing E-type thermocouple output using artificial neural network and adaptive neuro-fuzzy inference systems**
DALKIRAN İ., DANIŞMAN K.
2006 IEEE 14TH SIGNAL PROCESSING AND COMMUNICATIONS APPLICATIONS, VOLS 1 AND 2, Antalya, Turkey, 16 - 19 April 2006, pp.1-4
- XXIII. E-Tipi Termal Çiftin Çıkışının Yapay Sinir Ağları Ve Bulanık Sinir Ağları İle Doğrusallaştırılması**
DALKIRAN İ., DANIŞMAN K.
IEEE 14. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, IEEE SİU 2006, Antalya, Turkey, 17 - 19 April 2006, pp.1-4
- XXIV. Design of a high precision temperature measurement system**
DANIŞMAN K., DALKIRAN İ., Celebi F. V.
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- XXV. Enerji Sistemlerinde Kullanılan Elektrik Sayaçlarının Otomatik Sayaç Okuma Uyumlu Hale Getirilmesi**
ÖZDEMİR A. T. , DANIŞMAN K., Erbay M.
II. Mühendislik Bilimleri Genç Araştırmacılar Kongresi, İstanbul, Turkey, 17 - 19 November 2005, pp.1-8
- XXVI. Enerji İzleme Sistemlerinde Kullanılan İletişim Teknolojilerinin Karşılaştırılması ve GPRS İletişim Teknolojisinin Otomatik Sayaç Okuma Sistemine Uygulanması**
ÖZDEMİR A. T. , DANIŞMAN K., DALKIRAN İ.
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- XXVII. Enerji İzleme Sistemlerinde Kullanılan Teknolojilerin Karşılaştırılması ve GPRS İletişim Teknolojisinin Otomatik Sayaç Okuma Sistemine Uygulanması**
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- XXVIII. GPRS Üzerinden Web Tabanlı Bölgesel Enerji Takip Sistemi**
ÖZDEMİR A. T. , DANIŞMAN K.
III. Otomasyon Sempozyumu ve Sergisi, Denizli, Turkey, 11 - 12 November 2005, pp.63-67
- XXIX. Yapay Sinir Ağı Tabanlı Doğrusallaştırma Birimi Tasarımı**
EROĞLU N., DALKIRAN İ., DANIŞMAN K.
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- XXXIII. **An Artificial Neural Network to Linearize Different Thermocouple Characteristics**
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- XXXIV. **Yapay Sinir Ağları ile Sıcaklık Tahmini**
SAĞIROĞLU Ş., DANIŞMAN K., ÇELİK M.
10. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Denizli, Turkey, 12 - 14 June 2002, pp.400-405
- XXXV. **İnternet Tabanlı Not Otomasyonu**
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- XXXVII. **Determination of amplitude-phase relationship in laser diodes using linear system approximation**
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- XL. **The effect of optical confinement factor and gain constant on the distortion levels in InGaAsP semiconductor laser diodes**
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- XLI. **The effect of nonradiative recombination coefficient and gain saturation parameter on second harmonic distortion in 1.55 μ m. InGaAsP semiconductor laser diodes**
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- XLII. **Different approach for distortion analysis of external cavity laser diode using volterra series**
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- XLIII. **Distortion Analysis of External Cavity Laser Diodes Using Volterra Series ",Int. Symposium on LASER**
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- XLIV. **Characteristics of a Three Cavity Laser Diode Configuration and Oscillation Frequency Shift Suppression**
DANIŞMAN K., Özek A., Yıldırım R.

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XLV. Image Compression with GMDH Network

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XLVII. Optimisation of pulsed laser power supply system

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XLVIII. İndüksiyonla yüzey sertleştirmede enerji sistemleri ve sertleştirme faktörleri

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Supported Projects

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DANIŞMAN K., YILDIZLI K., SAVAŞ S., DANIŞMAN Ş., Project Supported by Higher Education Institutions, AR-GE VE ENDÜSTRİYEL AMAÇLI PVD KAPLAMA SİSTEMİ LABORATUARI, 2005 - 2006

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Metrics

Publication: 72

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Citation (Scopus): 347

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H-Index (Scopus): 11