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Education

- **PhD**, Erciyes Üniversitesi, Elektronik -1995, Kayseri- TÜRKİYE
- **MS**, Erciyes Üniversitesi, Elektronik -1991, Kayseri- TÜRKİYE
- **BS**, Erciyes Üniversitesi, Elektronik -1988, Kayseri- TÜRKİYE

Experience

- Senato üyeliği Fatih Üniversitesi, Apr. 2008
- Enstitü Md. Fatih Üniversitesi, Apr. 2008
- Prof. Dr. Fatih Üniversitesi, Feb. 2008
- Biyomedikal Mühendisliği Kurucu Bölüm Başkanı Erciyes Üniversitesi, May. 2007- Jan. 2008
- Prof. Dr. Erciyes Üniversitesi, Jun. 2006- Feb. 2008
- Yabancı uyruklu öğretim elemanı inceleme değerlendirme komisyon Üyesi Erciyes Üniversitesi, Apr. 2005- Jan. 2008
- Fakülte Kurulu Üyesi E.Ü. Mühendislik Fakültesi, Apr. 2004- Jan. 2008
- Yönetim Kurulu Üyesi Erciyes Üniversitesi Güzel Sanatlar Fakültesi, Sep. 2002- Sep. 2005
- Satın Alma Komisyon Başkanı E.Ü. Bilimsel ve Teknolojik Araştırma Merkezi, Aug. 2002- Jan. 2008
- Dekan Yrd. Erciyes Üniversitesi Güzel Sanatlar Fakültesi, Dec. 2000- Sep. 2005
- Senato Üyesi Erciyes Üniversitesi Rektörlüğü, Dec. 2000- Sep. 2002
- Yönetim Kurulu Üyesi Erciyes Üniversitesi Rektörlüğü, Dec. 2000- Sep. 2002
- Doç. Dr. Erciyes Üniversitesi, Sep. 2000- Jun. 2006
- Müzik Bilimleri Bölüm Başkanı Erciyes Üniversitesi, Mar. 2000- Mar. 2003
- Öğrenci Faaliyetleri Komisyon Üyesi Erciyes Üniversitesi, Nov. 1995- Nov. 2004
- Güzel Sanatlar Bölüm Başkanı Erciyes Üniversitesi Rektörlüğü, Nov. 1995- Nov. 2004
- Yrd. Doç. Dr. Erciyes Üniversitesi, Mar. 1995- Sep. 2000
- Araştırma Görevlisi Erciyes Üniversitesi, May. 1991- Jan. 1995

- Teknik/Kalite Kontrolör 2. AnaBakım Mrkz. Komutanlığı, Oct. 1982- May. 1991
- Vardiya sorumlusu Birlik Mensucat Tekstil Fb., Jul. 1981- Apr. 1982
- Elektrik Elektronik Ekip Şefi Kayseri ve Civarı Elektrik T.A.Ş., Feb. 1979- Mar. 1981

Research Interests

- Fizyolojik sinyal toplama, Ultrasonik Doppler ve Non-invasive ölçümler, Doppler sinyallerinin analizi ve sınıflandırılması, Elektronik Nose uygulamaları, Müzikal seslerin insana etkileri

Teaching Interests

- Biyomedikal enstrümantasyon, Ultrasonik Enerji ve uygulamaları, Dijital elektronik, Enstrümantasyon elektroniği ve sensör sistemleri, Elektrik-Elektronik Bilgisi, Klinik Mühendisliği

Research Projects

- **AB üyesi Ülkelerdeki Biyomedikal Eğitim ve Araştırma Uygulamalarının İncelenmesi,,** Avrupa Birliği Eğitim ve Gençlik Programları -Ulusal Ajans, Feb 2008, Ana Yönetici
- **Sınıf II Malokluzyona Sahip Hastalarda Kullanılan Aparelerin Çene ve Ağız Çevresindeki Kaslara Olan Etkisinin EMG Kayıtlarıyla Değerlendirilmesi,** TUBITAK, Mar 2007, Ana Yönetici
- **Hamile Bayanlara Ait Umbilikal Atardamar Doppler Sinyallerinin Spektral Analiz Metotları Kullanarak Değerlendirilmesi ve Sınıflandırılması,** Üniversite Araştırma Proje Fonu, Mar 2007-Jan 2008, Ana Yönetici
- **EMG sinyallerinin analizini ve sınıflandırmasını gerçekleştiren sistem tasarımı,** Üniversite Araştırma Proje Fonu, Jul 2004-Nov 2006, Ana Yönetici
- **Göze Ait Elektrofizyolojik Sinyaller Kullanılarak Yapay Sinir Ağları Destekli Bazı Göz Hastalıklarının Teşhisi,** Üniversite Araştırma Proje Fonu, Apr 2004-Jul 2005, Ana Yönetici
- **Ultrasonografik karaciğer görüntüsünden siroz hastalığının erken dönemde tespiti,** Devlet Planlama Teşkilatı - DPT, Mar 2004-Nov 2006, Ana Yönetici
- **Doppler İşaretlerinden Faydalanarak Damar Hastalıklarının Teşhisi İçin Çeşitli İşaret Analiz Tekniklerinin Uygulanması,** Üniversite Araştırma Proje Fonu, Jan 2004-Jul 2005, Ana Yönetici
- **Electronic-nose teknolojisi kullanarak hastalık yapan mantarların sınıflandırılması,** Devlet Planlama Trşkilatı-DPT, Mar 2003-Jul 2006, Ana Yönetici
- **Elektrofizyolojik çalışmalar için PC tabanlı stimülatör tasarımı,** Üniversite Araştırma Proje Fonu, May 2001-Jul 2003, Ana Yönetici
- **Endüstride akustik gürültü eliminasyonu,** Üniversite Araştırma Proje Fonu, Jan 1997-Dec 1997, Yardımcı Yönetici

Awards and Honours

- **International Summer School on Program Design Calculi Grant,** NATO Advanced Study Institutes , 28/07/1992
- **International Course in Flow and Image Cytometrie Grant,** NATO Advanced Study Institutes, 15/05/1995
- **2000 yılı Bilimsel Yayın Onur ödülü ,** E. Ü. Mühendislik Fakültesi Dekanlığı, 05/07/2000
- **2005 yılı Bilimsel Yayın Onur ödülü ,** E. Ü. Mühendislik Fakültesi Dekanlığı, 01/05/2005
- **2006 yılı Mühendislik Bilimleri Dalı Bilimsel yayın onur ödülü ,** Erciyes Üniversitesi Rektörlüğü, 18/11/2007
- **2006 yılı Bilimsel Yayın Onur ödülü ,** E. Ü. Mühendislik Fakültesi Dekanlığı, 18/11/2007
- **2007 yılı Mühendislik Bilimleri Grubu Elektrik-Elektronik Dalı Bilim Teşvik Ödülü,** Popüler Bilim, 24/03/2008
- **2007 yılı Bilimsel yayın onur ödülü ,** E. Ü. Mühendislik Fakültesi Dekanlığı, 17/11/2008
- **2007 yılı Mühendislik Bilimleri Dalı Bilimsel yayın onur ödülü ,** Erciyes Üniversitesi Rektörlüğü, 17/12/2008

Selected Publications

(The Publications appears in SCI, SCI Exp.,SSCI and AHCI are shown with *)

Academics Journals

- * Polat K, Kara S, Güven A, Güneş S, "Comparison of different classifier algorithms to diagnosing of macular and optic nerve diseases (Special Issue on Advances in Medical Decision Support Systems.

scheduled to appear in October 2008)", Expert Systems (Special Issue on Advances in Medical Decision Support Systems. scheduled to appear i, Oct. 2008

- * Kara S, İçer S, Erdoğan N, "**Spectral broadening of lower extremity venous Doppler signals using STFT and AR modeling**", Digital Signal Processing, Vol. 18, No. 4, Jul. 2008, pp. 669-676
- * Polat K, Kara S, Güven A, Güneş S, , "**Utilization of Discretization Method on the Diagnosis of Optic Nerve Disease**", Computer Methods and Programs in Biomedicine, Vol. 91, No. 3, Jul. 2008, pp. 255-264
- * Kara S, İçer S, Erdoğan N, , "**Spectral broadening of lower extremity venous Doppler signals using STFT and AR modeling**", Digital Signal Processing, Vol. 18, May. 2008, pp. 669-676
- * Polat K, Latifoğlu F, Kara S, Güneş S, , "**Usage of Novel Similarity Based Weighting Method to Diagnose the Atherosclerosis from Carotid Artery Doppler Signals**", Medical & Biological Eng. & Computing, Vol. 46, Mar. 2008, pp. 353-362
- * Polat K, Kara S, Güven A, Güneş S, , "**Usage of class dependency based feature selection and fuzzy weighted pre-processing methods on classification of macular disease**", Expert Systems With Applications, (paper should appear in 41(2) of the journal), Mar. 2008
- * Akdemir B, Kara S, Güven A, Güneş S, Polat K, , "**Ensemble adaptive network-based fuzzy inference system with Weighted Arithmetical Mean and Application to Diagnosis of Optic Nerve Disease from Visual-evoked potential Signals**", Artificial Intelligence In Medicine, Vol. 43, No. 2, Mar. 2008, pp. 141-149
- * Latifoğlu F, Polat K, Kara S, Güneş S, , "**Medical Diagnosis of Atherosclerosis from Carotid Artery Doppler Signals Using Principles Component Analysis (PCA), k-NN Based Weighting Pre-Processing and Artificial Immune Recognition System (AIRS)**", Journal of Biomedical Informatics, Vol. 41, No. 1, Jan. 2008, pp. 15–23
- * Güven A, Polat K, Kara S, Güneş S, , "**The Effect of Generalized Discriminate Analysis (GDA) to the Classification of Optic Nerve Disease from VEP Signals**", Computers in Biology and medicine, Vol. 38, No. 1, Jan. 2008, pp. 62-68
- * Dirgenali F, Kara S, , "**Comparison of Eigenvector MUSIC Method with Classical FFT and Model Based AR Methods in Analysis of Mitral Valve Doppler Signals**", Instrumentation Science and Technology, Vol. 33, No. 5, Jan. 2008, pp. 575-595
- * Kara S., , "**Classification of Mitral Stenosis From Doppler Signals Using Short Time Fourier Transform And Artificial Neural Networks**", Expert Systems with Applications, Vol. 33, No. 2, Oct. 2007, pp. 468–475
- * Kara S, Latifoğlu F, Güneş M, "**Determining Fractal Dimension Of Umbilical Artery Doppler Signals Using Hurst Exponent**", Journal of Medical Systems, Vol. 31, No. 6, Sep. 2007, pp. 529-536
- * Kara S, İçer S, Akdemir B, Polat K, , "**Intelligent Detection System to Diagnose of Cirrhosis Disease: Combining Generalized Discriminant Analysis and Artificial Immune Recognition System**", Dynamics Of Continuous Discrete And Impulsive Systems-Series B-Applications & Algorithms, Sep. 2007, pp. 28-32
- * Kara S, Latifoğlu F, Karahan O.İ, Kahrıman G, "**Spectral analysis of portal vein Doppler signals using STFT and AR modeling in the cirrhotic portal hypertension patients**", Experimental Techniques, Vol. 31, No. 2, Mar. 2007, pp. 51-56
- * Kara S, Dirgenali F, , "**A System to Diagnose Atherosclerosis via Wavelet Transforms, Principal Component Analysis and Artificial Neural Networks** ", Expert Systems with Applications, Vol. 32, No. 2, Mar. 2007
- * Özbay Y, Kara S, Latifoğlu F, Ceylan R, Ceylan M, , "**Complex-Valued Wavelet Artificial Neural Network for Doppler Signals Classifying**", Artificial Intelligence in Medicine, Vol. 40, Jan. 2007, pp. 143—156
- * Özşen S, Kara S, Latifoğlu F, Güneş S, "**A New Supervised Classification Algorithm in Artificial Immune Systems with Its Application to Carotid Artery Doppler Signals to Diagnose Atherosclerosis**", Computer Methods and Programs in Biomedicine, Vol. 88, Jan. 2007, pp. 246–255
- * Ceylan M, Ceylan R, Dirgenali F, Kara S, Özbay Y, "**Classification of Carotid Artery Doppler Signals in the Early Phase of Atherosclerosis Using Complex-Valued Artificial Neural Network**", Computers in Biology and Medicine, Vol. 37, No. 1, Jan. 2007, pp. 28 – 36
- * Polat K, Kara S, Güven A, Güneş S, , "**A Hybrid Automated Detection System Based on Least Square Support Vector Machine Classifier and k-NN Based Weighted Pre-processing for Diagnosing of Macular Disease**", Lecture Notes in Computer Science- LNCS, Jan. 2007, pp. 338-345
- * Kara S, Dirgenali F, Okkesim Ş, "**Detection of gastric dysrhythmia using WT and ANN in diabetic gastroparesis patients**", Computers in Biology and Medicine, Vol. 36, No. 3, Jan. 2007, pp. 276–290
- * Kara S, Güven A, , "**Neural Network Based Diagnosing For Optic Nerve Disease From Visual Evoked Potential**", Journal of Medical Systems, Vol. 31, Jan. 2007

- * Latifoğlu F, Kodaz H, Kara S, Güneş S, , "**Medical Application of Artificial Immune Recognition System (AIRS): Diagnosis of Atherosclerosis from Carotid Artery Doppler Signals**", Computers in Biology and Medicine., Vol. 37, No. 8, Jan. 2007
- * İçer S, Kara S, , "**Spectral Analysing of Portal Vein Doppler Signals in the Cirrhosis Patients**", Computers in Biology and Medicine, Vol. 37, Jan. 2007, pp. 1303-1307
- * Kara S, Okandan M, , "**Atrial Fibrillation Classification with Artificial Neural Networks**", Pattern Recognition, Vol. 40, No. 11, Jan. 2007, pp. 2967-2973
- * Kodaz H, Kara S, Latifoğlu F, Güneş S., , "**A New Hybrid Classifier System: Information Gain Based Artificial Immune Recognition System (IG-AIRS)**", Experimental Techniques, Vol. 31, No. 6, Jan. 2007, pp. 36-43
- * Kara S, Güven A, İçer S, , "**Classification of Macular and Optic Nerve Disease By Principal Component Analysis**", Computers in Biology and Medicine, Vol. 37, No. 6, Jan. 2007, pp. 836-841
- * Kara S, Güven A, , "**Training a Learning Vector Quantization Network Using the Pattern Electroretinography Signals**", Computers in Biology and Medicine, Vol. 37, No. 1, Jan. 2007, pp. 77-82
- * Polat K, Kara S, Latifoğlu F, Güneş S, , "**Pattern Detection of Atherosclerosis from Carotid Artery Doppler Signals Using Fuzzy Weighted Pre-Processing and Least Square Support Vector Machine (LSSVM)**", Annals of Biomedical Engineering, Vol. 35, No. 5, Jan. 2007, pp. 724-732
- * Latifoğlu F, Şahan S, Kara S, Güneş S., , "**Diagnosis of atherosclerosis from Carotid Artery Doppler Signals as a real-world medical application of artificial immune systems**", Expert Systems with Applications, Vol. 33, No. 3, Nov. 2006, pp. 786-793
- Kara S, Kemaloğlu S, Kırbaş Ş, , "**Low-Cost Compact ECG With Graphic LCD and Phonocardiogram System Design**", Journal of Medical Systems, Vol. 30, No. 3, May. 2006, pp. 205-209
- * Kemaloğlu S, Erdoğan N, Kara S, "**Discontinuous Doppler signals simulating respiratory misregistration: Effect on Autoregressive frequency spectra**", Computers in Biology and Medicine, Vol. 36, No. 5, Jan. 2006, pp. 465-472
- * Dirgenali F, Kara S, Okkesim Ş, , "**Estimation of Wavelet and Short Time Fourier Transform sonograms of normal and diabetic subjects' electrogastrogram**", Computers in Biology and Medicine, Vol. 36, No. 12, Jan. 2006, pp. 1289-1302
- * Kara S, Güven A, Okandan M, Dirgenali F, "**Utilization of artificial neural networks and autoregressive modeling in diagnosing mitral valve stenosis**", Computers in Biology and Medicine, Vol. 36, No. 5, Jan. 2006, pp. 473-483
- * İçer S, Kara S, Güven A, , "**Comparison of multilayer perceptron training algorithms for portal venous Doppler signals in the cirrhosis disease**", Expert Systems with Applications, Vol. 31, No. 2, Jan. 2006, pp. 406-413
- * Kara S, Kemaloğlu S, Erdoğan N, "**Comparison of Fast Fourier Transformation and Autoregressive modelling as a diagnostic tool in analysis of Lower extremity venous signals**", Computers in Biology and Medicine, Vol. 36, No. 5, Jan. 2006, pp. 484-494
- * Dirgenali F, Kara S, "**Recognition of early phase of atherosclerosis using principles component analysis and artificial neural networks from carotid artery Doppler signals**", Expert Systems with Applications, Vol. 31, No. 3, Jan. 2006, pp. 643-651
- * Güven A, Kara S, "**Classification of Electro-Oculogram Signals Using Artificial Neural Network**", Expert Systems with Applications, Vol. 31, No. 1, Jan. 2006, pp. 199-205
- * Kara S, Güven A, Öner A.Ö, "**Utilization of Artificial Neural Networks in the diagnosis of optic nerve diseases**", Computers in Biology and Medicine, Vol. 36, No. 4, Jan. 2006, pp. 428-437
- * Kara S, Dirgenali F, , "**Detection of atherosclerosis using autoregressive modelling and principles component analysis to carotid artery Doppler signals**", Bio-Medical Materials and Engineering, Vol. 16, No. 4, Jan. 2006, pp. 269-277
- * Güven A, Kara S, , "**Diagnosis of the Macular diseases from pattern electroretinography signals using artificial neural networks**", Expert Systems with Applications, Vol. 30, No. 2, Jan. 2006, pp. 361-366
- * Polat K, Kara S, Latifoğlu F, Güneş S, , "**A novel Approach to Resource Allocation Mechanism in Artificial Immune Recognition System: Fuzzy Resource Allocation Mechanism and Application to Diagnosis of Atherosclerosis Disease**", Lecture Notes in Computer Science- LNCS, Jan. 2006, pp. 244-255
- Kara S, Okandan M, Şener F, Yıldırım M, , "**Imaging system for visualization and numerical analysis of cancer at stomach and skin tissues**", Journal of Medical Systems, Vol. 29, No. 2, Apr. 2005, pp. 179-186
- * Kara S, Dirgenali F, Okkesim Ş, , "**Estimating the gastric rhythm differences using wavelet method from electrogastrogram of normal and diabetic subjects**", Instrumentation Science and Technology, Vol. 33, No. 5, Jan. 2005, pp. 519-532

- * Kara S, Kemaloğlu S. , "**Determination of femoral artery occlusion using Principal Component Analysis to Doppler signals**", Instrumentation Science and Tech., Vol. 33, No. 3, Jan. 2005, pp. 329-338
- * Kara S, Kemaloğlu S, Güven A, , "**Detection of femoral artery occlusion from spectral density of Doppler signals using the artificial neural network**", Expert Systems with Applications, Vol. 29, No. 4, Jan. 2005, pp. 945-952
- * Dirgenali F, Kara, S, Erdoğan N, Okandan M, , "**Comparison of the Autoregressive modeling and Fast Fourier Transformation in demonstrating Doppler spectral waveform changes in the early Phase of atherosclerosis**", Computers in Biology and Medicine, Vol. 35, Jan. 2005, pp. 57-66
- Kara S, Kemaloğlu S, Şener F, Okandan M, Erkan M.A, "**Portable stimulator design aimed at differentiating facial nerves from normal tissues**", Journal of Medical Systems,, Vol. 28, No. 2, Jan. 2004
- * Kara S, Okandan M, Usta G, Tezcaner T,, "**Investigation of a new heart contractility power parameter**", Computer Methods and Programs in Biomedicine,, Vol. 76, Jan. 2004, pp. 177-180
- Kara S, Okandan M, , "**Sphincter muscle stimulator to be used before treating anal atresia**", Journal of Medical Systems, Vol. 27, No. 5, Oct. 2003, pp. 475-478
- Kara S, İstek D, Okandan M, , "**Low cost instrumentation for the diagnosis of Hirschsprung's disease**", Journal of Medical Systems, Vol. 27, No. 2, Apr. 2003, pp. 157-162
- Kara S, Şener F, Kemaloğlu S, , "**Kayseri il merkezindeki sağlık ocaklarında bulunan tıbbi cihazların durumu**", Erciyes Üniversitesi Sağlık Bilimleri Enst. Dergisi, Vol. 12, No. 3, Jan. 2003, pp. 52-57
- Kemaloğlu S, Kara S, , "**EKG işaretleri ile kalp seslerinin eşzamanlı alınması için ölçüm düzeneği**", Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi,, Vol. 18, No. (1-2), Jan. 2002, pp. 28-33
- Kara S, , "**Tıbbi Cihazlar ve İşletmecilik** ", E. Ü. Sağlık Bilimler Dergisi, Vol. 8, No. (1-2), Jan. 1999, pp. 64 - 68
- Belenli İ., Kara S, "**Endüstride Gürültü Kontrolü**", Endüstri & Otomasyon Dergisi, No. 18-20, Aug. 1997
- Güler İ, Kara S, , "**A low-cost biotelemetry system for long time monitoring of physiological data**", Journal of Medical Systems, Vol. 20, No. 3, Jan. 1996
- * Güler İ, Kara S, Güler N.F, Kıymık K., "**Application of Autoregressive and Fast Fourier Transform spectral analysis to tricuspid and mitral valve stenosis**", Computer Methods and Programs in Biomedicine, Vol. 49, Jan. 1996, pp. 29-36
- Kara S,, "**Türkiyede Üniversitelerde Biyo-medikal Mühendisliği ve Uygulamaları**", E.Ü. Sağlık Bilimleri Dergisi, Vol. 4, No. (1-2), Jan. 1995, pp. 38 - 41
- Kara S, , "**Biyomedikal ve Klinik Mühendisliğine Genel Bir Bakış**", E. Ü. Sağlık Bilimleri Dergisi, Vol. 4, No. (1-2), Jan. 1995, pp. 34-37
- Kara S, Güler İ, , "**Kardiyak Doppler'in Gelişimi** ", Erciyes Tıp dergisi, Vol. 16, No. 2, Jan. 1995, pp. 179-185
- Kara S, Yüksel M.E, , "**EKG Sinyallerinin Algılanması ve İşlenmesi İçin Bir Veri Toplama Sisteminin Gerçekleştirilmesi** ", Erciyes Üniv. Fen Bilimleri Dergisi, Jan. 1994, pp. 1-10
- * Güler, İ., Kıymık, M.K., Kara S, Yüksel, M.E, "**Application of Autoregressive analysis to 20 Mhz Pulsed Doppler Data in real time**", International Journal of Biomedical Computing, Vol. 31, Jan. 1992, pp. 247-256

Proceedings

- Kara S, Okkesim Ş, Latifoğlu F, Uysal T, A. Baysal, "**Variation Of Power Spectral Density And Energy In Electromyogram Of Jaw-Closing Muscles In Children With Class I Malocclusion**", 4th European Conference of the International Federation for Medical and Biological Engineering, Antwerp, Belgium, Nov. 2008, IFMBE CONFERENCE,
- S. Kara, M. Tokmakçı, Y. Şişman, E.T. Ertaş, E. İmal, M.A. Özçoban, "**Study Of Electromyographic Signals During Chewing Process In Patients With Fixed Partial Denture**", 4th European Conference of the International Federation for Medical and Biological Engineering, Belgium, Nov. 2008, IFMBE Proceedings ,
- Latifoğlu F, Kara S, , "**Myoma Uterili Bayanlara Ait Uterin Atardamar Doppler Sinyallerinden Öznitelik Çıkarma**", Elektrik Elektronik Bilgisayar Biyomedikal Mühendisliği XII. Ulusal Kongresi Ve Fuarı, Eskişehir, Nov. 2007,
- Çevikcan B, Kara S, , "**Bel Fıtığı Hastalağı Bulunan Bireylerin Bel Ve Karın Kası Fonksiyonlarının Elektromyografik Analizi**", Elektrik Elektronik Bilgisayar Biyomedikal Mühendisliği XII. Ulusal Kongresi Ve Fuarı, Eskişehir, Nov. 2007,
- Kara S, Çiçek Akçay S, , "**Avrupa'da Biyomedikal Mühendisliği Eğitiminde Gelişme Süreci Ve Sanayinin Mühendislik Eğitimine Etkileri**", Elektrik Elektronik Bilgisayar Biyomedikal Mühendisliği XII. Ulusal Kongresi Ve Fuarı, Eskişehir, Nov. 2007,

- Kayaaltı Ö, Kara S, , "**Erciyes Üniversitesi Hastaneleri Radyoloji Servisi PACS Sisteminin İncelenmesi**", 2. E- Sağlık Kongresi,, Antalya, Oct. 2007,
- Kara S, Özel P, , "**Determination Of Effects Of Different Music On Frontal Muscle By Using EMG Signal**", Frontiers in the Convergence of Bioscience and Information Technologies , South Korea, Jeju island, Oct. 2007,
- Kara S, Latifoğlu F, Güney M, , "**Fractal Analysis of Umbilical Artery Doppler Signals From Normal Pregnant Subject Using Hurst Exponent**", Frontiers in the Convergence of Bioscience and Information Technologies , South Korea, Jeju island, Oct. 2007,
- Polat K, Kara S, İçer S, Güneş S, , "**Intelligent Detection System to Diagnose of Cirrhosis Disease: Combining Generalized Discriminant Analysis and Artificial Immune Recognition System**", International Conference on Life System Modeling and Simulation,, Shanghai, China, Sep. 2007,
- Okkesim Ş, Kara S, Tokmakçı M, Kayaaltı Ö, , "**Ayrık Dalgacık Dönüşümü İle Elektrogastrogram Sinyal Analizi:İstatistiksel Çalışma**", Biyomedikal Mühendisliği Ulusal Toplantısı (BİYOMUT'07),, İstanbul, May. 2007,
- Latifoğlu F, Kara S, Güney M, "**Normal Hamilelere Ait Umbilikal Atardamar Doppler Sinyallerinin Fraktal Analiz**", Biyomedikal Mühendisliği Ulusal Toplantısı (BİYOMUT'07), , İstanbul, May. 2007,
- Kara S, Özel P, , "**Müzik Yoluyla Değişen Fizyolojik Ritmlerin Yüzeysel EMG İle Analizi**", Biyomedikal Mühendisliği Ulusal Toplantısı (BİYOMUT'07),, İstanbul, May. 2007,
- Latifoğlu F, Kara S, Güney M, , "**Spectral Analysis of Umbilical Artery Doppler Signals During Normal Pregnancy Using STFT and AR Method**", International Symposium on Signal Processing and its Applications , Sharjah, U.A.E, Apr. 2007,
- Polat K, Kara S, Güven A, Güneş S,, "**A Hybrid Automated Detection System Based on Least Square Support Vector Machine Classifier and k-NN Based Weighted Pre-processing for Diagnosing of Macular Disease**", International Conference on Adaptive and Natural Computing Algorithms-ICAAGA'0, Warsaw, Poland, Apr. 2007, Part II, pp. 338–345,
- Okkesim Ş, Kara S, Uysal T, Yağcı A, , "**Analysis of The Electromyogram to Evaluate the Effect of Pre Orthodontic Trainer Sucking on an Empty Straw**", International Symposium on Signal Processing and its Applications , Sharjah, U.A.E. , Feb. 2007,
- Polat K, Kara S, Latifoğlu F, Güneş S, , "**A novel Approach to Resource Allocation Mechanism in Artificial Immune Recognition System: Fuzzy Resource Allocation Mechanism and Application to Diagnosis of Atherosclerosis Disease,**" 5th International Conference on Artificial Immune Systems-ICARIS , Oeiras, Portugal, Sep. 2006, pp. 244–255
- İçer S, Kara S, Erdogan N, , "**Evaluation of Several Methods as a Diagnostic Tool For Popliteal Venous Signals**", 5th European Symposium on Biomedical Engineering-ESBME , Patras, Greece, Jul. 2006,
- Güven A, Kara S, İçer S, , "**Analysis of Pattern Electroretinography Signals To Designate Of Optic Nerve Disease Using Principal Component Analysis**", 5th European Symposium on Biomedical Engineering-ESBME , Patras, Greece., Jul. 2006,
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Seminars & Events

- **"4001-4002 Kodlu TÜBİTAK Projelerinin tanıtımı"**, Sadık Kara, Fatih Eğitim Kurumları, İstanbul, 18/08/2008-18/08/2008
- **"İdeal akademisyenliđin vasıfları"**, Sadık Kara, fatih Üniversitesi, İstanbul, 21/04/2008-21/04/2008

Courses Taught

- 2007-2008 "**Medical Instrumentation I**", EEE 555/A, Credit:3
- 2007-2008 "**FUNDAMENTALS OF BIOMEDICAL ENGINEERING**", EEE 452/A, Credit:3
- 2008-2009 "**M.S. Thesis**", EEE 500/TEZ C, Credit:0
- 2008-2009 "**VERİ ALIMI VE ENSTRÜMANTASYONU**", EEM 401/A, Credit:3
- 2008-2009 "**Ultrasonic Energy and Its Usage in Medicine**", EEE 557/A, Credit:3
- 2008-2009 "**BİYOMEDİKAL MÜHENDİSLİĞİNİN TEMELLERİ**", EEM 452/A, Credit:3

Affiliations

- International federation for Medical and Biological Engineering
- Biomedical Engineering Society