



T.C.
PAMUKKALE ÜNİVERSİTESİ
MÜHENDİSLİK FAKÜLTESİ

**ELEKTRİK-ELEKTRONİK
MÜHENDİSLİĞİ BÖLÜMÜ**

FAALİYET RAPORU

01.01.2013 - 31.12.2013 DÖNEMİ

Uluslararası Bildiriler

- **Cetin E.**, Hekim M., Ozden H., Bozkurt M. A., 2013, A small scale geothermal power plant in Denizli-Turkey for sustainable energy studies, 26th European Conference on Operational Research, 1-4 July, Rome-Italy.
- **Beyhan S.**, Lendek Zs., Alci M., Babuska R., 2013, Takagi-Sugeno Fuzzy Observer and Extended-Kalman Filter for Adaptive Payload Estimation, 9th Asian Control Conference, İstanbul.
- Cetin M., **İplikci S.**, **Beyhan S.**, 2013, State Estimation with Runge-Kutta Model-Based Nonlinear Observers, 26th European Conference on Operational Research, EURO2013, 1-4 July, Rome, ITALY.
- **Karpuz C.**, **Gorur A. K.**, **Ozek A.**, Gorur A., 2013, A Novel Compact Quad-Band Microstrip Bandstop Filter Design Using Open-Circuited Stubs, International Microwave Symposium (IMS 2013), 2-7 June, Seattle, USA.
- **Gorur A. K.**, **Karpuz C.**, 2013, Design of Compact Multi-Band Microstrip Bandpass Filter Having Simultaneously Excited Passbands by Using Open-Circuited Stubs, International Microwave Symposium (IMS 2013), 2-7 June, Seattle, USA.
- Dilmen E., Yilmaz S., **Beyhan S.**, 2013, Cascaded ABC-LM Algorithm Based Optimization and Nonlinear System Identification. International Conference on Electronics Computer and Computation (ICECCO), 7-9 November, Ankara, 247-250.

Uluslararası Makaleler (SCI Dergi)

- **Beyhan S.**, 2013, Runge-Kutta Model-Based Nonlinear Observer for Synchronization and Control of Chaotic Systems, ISA Transactions.
- Surav Yilmaz S., **Tola A. T.**, **Arslanalp R.**, 2013, A Novel Second-Order All-Pass Filter Using Square-Root Domain Blocks, Radioengineering, Volume: 22, Issue: 1, Pages: 179-185, Part: 1, APR.
- **Arslanalp R.**, **Yuce E.**, **Tola A. T.**, 2013, Low-component count BJT technology-based current-controlled tunable resistors and their applications, IET Circuits Devices & Systems, Volume: 7, Issue: 1, Pages: 21-30, JAN.
- **Karpuz C.**, **Gorur A. K.**, 2013, Effects of Narrow Slits on Resonance Characteristics of a Microstrip Square Loop Resonator and Dual-Mode Filter Applications, Microwave and Optical Technology Letters Vol 55, Issue 1, pp. 143-146.
- **Karpuz C.**, **Gorur A. K.**, Basmacı A. N., **Ozek A.**, 2013, Design and Analysis of a Compact Dual-Mode Dual-Band Microstrip Bandpass Filter, Journal of Electromagnetic Waves and Applications, Vol.27, no.02, pp.180-190.
- **Karpuz C.**, **Gorur A. K.**, 2013, A Novel Compact Configuration for Dual-Mode Microstrip Resonators and Dual-Band Bandpass Filter Applications, Microwave and Optical Technology Letters, vol.55, no.4, pp.775-779.
- **Karpuz C.**, **Ozturk P.**, 2013, Design of branch line coupler loaded capacitively with interdigitated fingers by using microstrip fed coplanar structures (L-shaped conductor backed asymmetric CPS and U-shaped conductor backed CPW, Microwave and Optical Technology Letters., vol. 55, no.4, pp. 816–820.

- **Yuce E.**, Minaei S., Herencsar N., Koton J., 2013, Realization of First-Order Current-Mode Filters with Low Number of MOS Transistors, Journal of Circuits, Systems, and Computers (JCSC), vol. 22, no. 1, 14 pages.
- Sefari L., Minaei S., **Yuce E.**, 2013, CMOS First-Order Current-Mode All-Pass Filter With Electronic Tuning Capability and its Applications, Journal of Circuits, Systems, and Computers (JCSC), vol. 22, no. 3, 17 pages.
- Herencsar N., Minaei S., Koton J., **Yuce E.**, Vrba K., 2013, New Resistorless and Electronically Tunable Realization of Dual-Output VM All-Pass Filter Using VDIBA, Analog Integrated Circuits and Signal Processing (ALOG), vol. 74, no. 1, pp. 141-154.
- Alpaslan H., **Yuce E.**, Tokat S., 2013, A New Lossless Floating Inductor Simulator Employing Only Two-Terminal Active Devices, Indian Journal of Engineering & Material Sciences, vol. 20, pp. 35-41.
- **Yuce E.**, Minaei S., 2013, Realization of Arbitrary Current Transfer Functions Based on Commercially Available CCII+s, Online published in International Journal of Circuit Theory and Applications.
- Yucel F., **Yuce E.**, 2013, CCII Based More Tunable Voltage-Mode All-Pass Filters and Their Quadrature Oscillator Applications, Online published in International Journal of Electronics and Communications.
- **Yuce E.**, Tokat S., Alpaslan H., 2013, Grounded Capacitor Based New Floating Inductor Simulators and a Stability Test, Accepted for publication in Turkish Journal of Electrical Engineering & Computer Sciences.
- Kircay A., **Keserlioglu M. S.**, Cam U., 2013, A New Current-Mode Square-Root-Domain General Notch Filter, Journal of Circuits, Systems and Computers, Volume 22, Issue 01, January, DOI: 10.1142/S0218126612500727.

Ulusal Makaleler

- **Köroğlu S.**, Umurkan N., **Kesler S.**, "Yeraltı kablolarında silindirik ekranlamanın performans analizi", Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi (PAJES), yayına kabul edildi, doi:10.5505/pajes.2015.64872
- **Keserlioglu M. S.**, "Square-Root-Domain Second Order Trans-Admittance Type Universal Filter Design", Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi (PAJES), doi: 10.5505/pajes.2015.17362

Düzenlenen Sempozyum ve Kongreler

- 2nd Renewable Energy Systems Winter School, 16-19 Jan 2013, Afyonkarahisar (Co-Organizer).

Düzenlenen Seminerler

- Bilezikli Asenkron Makinelerde Anlık Yüksek Moment ve Hız Denetimi için Rotor Devresine Bulanık Mantık Tabalı Güç Enjeksiyonu, Yrd. Doç. Dr. Selami KESLER, 2nd Renewable Energy Systems Winter School, 16-19 Jan 2013, Afyonkarahisar.
- Fotovoltaik Panel Konum Kontrolünün Küresel Motor İle Yapılması, Doç. Dr. Yusuf ÖNER, 2nd Renewable Energy Systems Winter School, 16-19 Jan 2013, Afyonkarahisar.
- Güneş-Hidrojen Hibrit Enerji Üretim Sistemi, Yrd. Doç. Dr. Engin ÇETİN, 2nd Renewable Energy Systems Winter School, 16-19 Jan 2013, Afyonkarahisar.
- Electrical Drives, Assoc. Prof. Dr. Marian Gaiceanu (Vice Dean / Faculty of Automation, Computer Science, Electrical and Electronics Engineering / Dunarea de Jos University of Galati-Romania), 11 Nisan 2013, Mühendislik Fakültesi Konferans Salonu.
- PLC Sistem Uygulamaları, Tuğrul Yılmaz, Gen. Md., Petek Teknoloji A.Ş., 12 Nisan 2013, Mühendislik Fakültesi Konferans Salonu.
- Elektrik Tesisleri ve Yenilenebilir Enerji Uygulamaları, Prof. Dr. İsmail Kaşıkçı, Biberach University of Applied Sciences, 20 Mayıs 2013, Mühendislik Fakültesi Konferans Salonu.
- Fotovoltaik-Yakıt Pili Hibrit Enerji Üretim Sistemi Örneği; Pamukkale Üniversitesi Temiz Enerji Evi, Yrd. Doç. Dr. Engin ÇETİN, 7 Kasım 2013, Müh. Fak. MF005 No'lu Salon.
- KNX Tabanlı Otomasyon Sistemleri, M. Yılmaz TOYLAN (Proton Otomasyon), 21 Kasım 2013, Müh. Fak. MF005 No'lu Salon.
- Organik Rankine Çevrim Jeotermal Santraller, Mahmut HEKİM (JEODEN Jeotermal Enerji A.Ş.), 28 Kasım 2013, Müh. Fak. MF005 No'lu Salon.
- HVDC İletim Hatları, Ozan VERİM (Bereket Enerji A.Ş.), 5 Aralık 2013, Müh. Fak. MF005 No'lu Salon.
- Türkiye'de Hidrolik Enerjinin Durumu, Erim ARICI (Bereket Enerji A.Ş.), 19 Aralık 2013, Müh. Fak. MF005 No'lu Salon.

Düzenlenen Teknik Geziler

- TAI Teknik Gezisi, Ankara, 01.03.2013.
- Vestel Teknik Gezisi, Manisa, 03.05.2013.

Üniversiteler Arasında Yapılan İkili Anlaşmalar

- Fachhochschule Südwestfalen, Almanya
- Hochschule Biberach, Almanya
- Hochschule Mannheim, Almanya
- Malta College of Arts, Science and Technology (MCAST), Malta
- Politechnika Slaska (Silesian University of Technology), Polonya
- University of West Bohemia (Zapadoceska Univerzita v Plzni), Çek Cumhuriyeti
- Worms University of Applied Sciences, Almanya

- Bialystok University of Technology, Polonya
- Kaunas University of Technology, Litvanya
- Slovak University of Technology in Bratislava, Slovak Cumhuriyeti
- Universitatea Dunarea De Jos Din Galati, Romanya
- Universidad Politecnica De Cartagena, İspanya

Bilimsel Arastırma Projeleri

- **Yrd. Doç. Dr. Selami Kesler**, Enerji Nakil Hatlarının Laboratuvar Ortamında Modellenmesi.
 Proje No : 2013KRM001
 Başlangıç-Bitiş Tarihleri : 29.05.2013 - 29.11.2014
 Proje Tipi : BAP - Kurumsal
 Proje Bütçesi : 30.000 TL
- **Yrd. Doç. Dr. Selami Beyhan**, Doğrusal Olmayan Sistemlerin Gerçek Zamanlı Uyarlamalı Gözetleyici Temelli Kontrolü.
 Başlangıç-Bitiş Tarihleri : 2013 - 2014
 Proje Tipi : BAP - Başlangıç
 Proje Bütçesi : 20.000 TL

Tübitak Projeleri

- **Prof. Dr. Ceyhan Karpuz**, Band Karakteristikleri Birbirinden Bağımsız Olarak Kontrol Edilebilen, Bandlar Arasında Yüksek İzolasyona Sahip Çok-Bandlı Mikrodalga Filtrelerin Tasarımı ve Eliptik/Lineer Faz Karakteristikli Çift-Modlu Dört-Bandlı Yeni Mikroserit Filtre Uygulamaları.
 Proje No : 112E04
 Başlangıç-Bitiş Tarihleri : 01.09.2012-01.03.2015
 Proje Tipi : Tübitak - 1001
 Proje Bütçesi : 332.736 TL

Yurtdışı Kongre Katılım Desteği

- **Cetin E.**, Hekim M., Ozden H., Bozkurt M. A., 2013, A small scale geothermal power plant in Denizli-Turkey for sustainable energy studies, 26th European Conference on Operational Research, 1-4 July, Rome-Italy (BAP kapsamında 2000 TL).