

 ZGE MİŐ

KİŐİSEL BİLGİ

Adı ve Soyadı: Hasan K M RC GİL
Doęum Tarihi: 22 Őubat 1965
Doęum Yeri: Kilitkaya
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Ev adresi: Kemal G ksan Sok., No. 15, Y. BoęaziŐi, Gazi Maęusa.
İŐ adresi: Bilgisayar M hendislięi B l m , M hendislik Fak ltesi,
Doęu Akdeniz  niversitesi.

PROFESYONEL İLGİ ALANLARI

- G  Elektronikli
- Analog ve Sayısal Sinyal İŐleme
- Kontrol Sistemleri
(Bulanık mantık, Kayan kipli denetim, Histeresiz denetim, Doęrusal olmayan denetim)
- MikroŐlemciler (Intel, Texas Instruments, Motorola, PIC)

EęİTİM

PhD (1993 - 1998) , Elektrik ve Elektronik M hendislięi B l m , DA .

MSc (1989 - 1991) , Elektrik ve Elektronik M hendislięi B l m , DA 

BSc (1984 -1989) , Elektrik ve Elektronik M hendislięi B l m , DA .

İŞ DENEYİMİ

<u>Ünvan</u>	<u>Bölüm</u>	<u>Kurum</u>	<u>Yıl</u>
Araştırma Görevlisi	Elektrik ve Elektronik	DAÜ	1989-1991
Araştırma Görevlisi	Elektrik ve Elektronik	DAÜ	1993-1997*
Yrd.Doç.Dr.	Bilgisayar Mühendisliği	DAÜ	1998-2002
Doç.Dr.	Bilgisayar Mühendisliği	DAÜ	2002-2008
Prof.Dr.	Bilgisayar Mühendisliği	DAÜ	2008-Şimdi

* Askerlik Hizmeti (1991-1993)

İDARİ DENEYİMİ

<u>Kurum</u>	<u>İş Tanımı</u>	<u>Yıl</u>
DAÜ	Bölüm Başkanı, Bilgisayar Mühendisliği Bölümü	2004-2010
YÖDAK	Yönetim Kurulu Üyesi	2010-Şimdi
IEEE	"Transactions on Industrial Informatics" dergisinin Editör yardımcısı**	Eylül 2014-Şimdi

** Sözkonusu dergi IEEE içinde etki faktörü bakımından birinci sıradadır.

AKREDİTASYON DENEYİMİ

Merkezi Amerika Birleşik Devletlerinde bulunan "Accreditation Board for Engineering and Technology (ABET)" kurumunun, Doğu Akdeniz Üniversitesi, Bilgisayar Mühendisliği Bölümünü denetleyebilmesi için gerekli olan altyapı geliştirme (akıllı sınıf oluşturma ve laboratuvarların güncellenmesi) çalışmalarında ve sözkonusu bölüm için İLK KEZ yazılan bireysel-çalışma (self-study) raporunun hazırlanmasında önemli rol üstlendi.

ÖĞRETİM DENEYİMİ (Son beş akademik yılda vermiş olduğu dersler)

<u>Ders Kodu</u>	<u>Ders Adı</u>	<u>Akademik Yıl</u>
CMPE324	Computer Architecture and Org.	2013-2014 Bahar
CMPE226	Electronics for Computer Eng.	2013-2014 Bahar
CMPE223	Digital Logic Design	2013-2014 Güz

BLGM321	İşaret ve Sistemlerin Temelleri (Türkçe prog. için)	2013-2014 Güz
CMPE324	Computer Architecture and Org.	2012-2013 Bahar
CMPE226	Electronics for Computer Eng.	2012-2013 Bahar
CMPE426	Digital Signal Processing	2012-2013 Güz
CMPE324	Computer Architecture and Org.	2012-2013 Güz
CMPE226	Electronics for Computer Eng.	2011-2012 Bahar
CMPE108	Algorithms and programming	2011-2012 Bahar
CMPE426	Digital Signal Processing	2011-2012 Güz
CMPE226	Electronics for Computer Eng.	2011-2012 Güz
CMPE224	Digital Logic Systems	2010-2011 Bahar
CMPE226	Electronics for Computer Eng.	2010-2011 Bahar
CMPE324	Computer Architecture and Org.	2010-2011 Güz
CMPE226	Electronics for Computer Eng.	2010-2011 Güz

YÖNETMİŞ OLDUĞU YÜKSEK LİSANS VE DOKTORA TEZLERİ

Yüksek Lisans (MSc) Tezleri

- 1) *"Gain Scheduling and Rule Base Construction Methods for Fuzzy Logic Controllers"* Sinem Özsuher, 2001.
- 2) *"Design of Single-Input Fuzzy Logic Controllers Based on Rule Base Reduction Methods"* Ferhun Yorgancıoğlu, 2002.
- 3) *"A Case Study: A Comparative Study for Self-Tuning and Conventional Fuzzy Logic Control"* Dilek Amir, 2004.
- 4) *"A Moving Object Detection and Tracking System"* by Öncü Altuntaş, 2005.
- 5) *"Real-Time Noise Cancellation Using Adaptive Algorithms"* Alaa Ali Hameed, 2012.
- 6) *"Real-Time Implementation of Adaptive Line Enhancer"* Ahmed Darghaath, 2013.
- 7) *"Double-Band Hysteresis Current Control Method for Three-Phase Shunt Active Power Filters"* Farshid Allahakbari, 2013.
- 8) *"Group Delay Reduction Methods in FIR Digital Filters"* Hala Haseeb Al-Ani, 2013.

9) "Digital Nonrecursive FIR Filter Design Using Exponential Window" Ayman Nashwan Al-Dabbagh, 2013.

10) "Design, Implementation and Control of a Robotic Arm Using PIC16F877A Microcontroller" Arian Faravar, 2014.

Doktora (PhD) Tezleri

1) "Fuzzy-Like Control Strategies Based On Single-Input Moving Sliding Surfaces" Ferhun Yorgancıođlu, 2008.

2) "Time-Varying Sliding-Coefficient-Based Terminal Sliding Mode Control Methods for Underactuated Fourth-Order Nonlinear Systems" H sn  Bayramođlu, 2013.

3) "Control of Grid-Connected Inverters" Farzaneh Bagheri (On going).

ORTAK Y NETİLEN Y KSEK LİSANS TEZLERİ

1) "DSP Analysis of the Finite Difference Time Domain (FDTD) Method" by Meltem Yađlı, 2001.

2) "Practical Approach to Membership Function Shape Analysis, Rule Base Completion and Simplification in Fuzzy Models" by Roustem Nizamiev, 2002.

Y KSEK LİSANS VE DOKTORA TEZ KOMİTE G REVLERİ

Adı Soyadı	Derece	Tez Başlığı
Shahzad Ahmed	MSc	<i>Study and Survey of Electronic Ballast Topologies for the Fluorescent Lamp</i>
Raja Shahid Toqeer	PhD	<i>Speed Estimation Using Elman Neural Network and Development of a Neurocontroller for Induction Motor Servo Applications</i>
Cem Ergün	PhD	<i>Speech Codec Detector Based Speaker Verification System in a Multi-Coder Environment</i>
Melike Sah	MSc	<i>Analysis of Fuzzy Time Series Approaches to Forecasting-Case Studies</i>
Öykü Akaydın	PhD	<i>Efficient Parallel Algorithm for Modelling Open Region Finite Difference Time Domain Grids</i>
Mehtap Köse Ulukök	PhD	<i>Concurrent Path Construction and Global Map Building Using a Novel Look-Ahead Strategy</i>
Baharak Ahmaderaghi	MSc	<i>A Comparison of Fuzzy Functions with LSE and TS-Fuzzy Modeling Methods in Modeling Uncertain Datasets</i>
Asemeh Pousti	MSc	<i>Symbolic Kinematics and Dynamics Modeling of a Four Wheel Mobile Inverted Pendulum</i>
Nazife Dimililer	PhD	<i>Biomedical Named Entity Recognition from Text using a Vote Based Multiple Classifier System</i>
Zafer Erenel	PhD	<i>Text Categorization Using Statistical Learning Techniques</i>
Alexandr Polisciuc	MSc	<i>Performance of Deferred and Forward Shading Under Different Lighting Conditions</i>
Mehran Sahandi Far	MSc	<i>Functional Magnetic Resonance Image (fMRI) Based Brain Activity Classification</i>
Ahmet Samawi Ghthwan Al-Khafaji	MSc	<i>Disturbance Estimator Based Predictive Current Control of Grid-Connected Inverter</i>
Hamza A.M. Makhamreh	MSc	<i>Sliding Mode Control Applied to UPS Inverter using Norm of the State Error</i>
Şaban Özdemir	PhD	<i>Yenilenebilir Enerji Kaynakları İçin Tek Aşamalı MPPT Denetimli Çok Seviyeli Evircinin Gerçekleştirilmesi. Fen Bilimleri Enstitüsü, Gazi Üniversitesi.</i>
Opeyemi Kazeem Oyelami	MSc	<i>Modeling and Simulation of the Controllable Network Transformers</i>

DOÇENTLİK VE YARDIMCI DOÇENTLİK JÜRİ GÖREVLERİ

- 1) Dr. Bülent Bilgehan, GAÜ (Doçentlik Jürisi).
- 2) Dr. Ferhun Yorgancıoğlu, LAÜ (Yrd. Doçentlik Jürisi).

- 3) Dr. Öykü Akaydın, UKÜ (Yrd. Doçentlik Jürisi).
- 4) Dr. Ruhsan Önder, UKÜ (Yrd. Doçentlik Jürisi).
- 5) Dr. Erbuğ Çelebi, UKÜ (Yrd. Doçentlik Jürisi).
- 6) Dr. Hasan Sarper, UKÜ (Yrd. Doçentlik Jürisi).
- 7) Dr. Hüseyin Ademgil, LAÜ (Doçentlik Jürisi).

DIĞER ETKİNLİKLER (Akademik ve Profesyonel)

a) DAÜ'de Görev Yaptığı Komiteler

Laboratuvar Komitesi (1998-2003)

Yaz Stajı Komitesi (1999-2000)

Fakülte Araştırma Komitesi (2003-2010)

Mühendislik Fakültesi Yayın Komitesi (2001-2004)

Fakülte Kurulu (2004-2010)

Fakülte Yönetim Kurulu (2004-2010)

Lisansüstü Eğitim, Öğretim ve Araştırma Kurulu (2004-2010)

Senato (2004-2010)

ABET Komitesi (2010-Şimdi)

Fakülte Lisansüstü Komitesi (2010-Şimdi)

b) Hakem Olarak Görev Yaptığı Uluslararası Dergiler

<u>DergiAdı</u>	<u>Yer Aldığı Endeks</u>
IEEE Transactions on Power Electronics	SCI
IEEE Transactions on Industrial Electronics	SCI
IEEE Transactions on Industrial Informatics	SCI
IEEE Transactions on Systems, Man and Cybernetics, Part A	SCI
IEEE Transactions on Circuits and Systems, Part II	SCI

IEEE Transactions on Instrumentation & Measurement	SCI
IEEE Transactions on Power Delivery	SCI
IEEE Transactions on Control Systems Technology	SCI
IET Control Theory & Application	SCI
IET Power Electronics	SCI
Elsevier- Fuzzy Sets and Systems	SCI
Elsevier- Energy Conversion and Management	SCIE
Springer- Electrical Engineering	SCI
Springer- Nonlinear Dynamics	SCI
TUBİTAK-Turkish J. of Elec. Eng. & Comp. Sc.	SCIE

Konferanslardaki Oturum Başkanlıkları

- 30. Annual Conference of the IEEE Industrial Electronics Society (IECON2004), Kore.
- 33. Annual Conference of the IEEE Industrial Electronics Society (IECON2007), Tayvan.
- 2. Symposium on Network and Information Security, 2008, KKTC.
- 35. Annual Conference of the IEEE Industrial Electronics Society (IECON2009), Portekiz.
- 19. IEEE International Symposium on Industrial Electronics (ISIE2010), İtalya.
- 20. IEEE International Symposium on Industrial Electronics (ISIE2011), Polonya.
- 12. International Conference on Environment and Electrical Engineering (EEEIC2013), Polonya.
- 41st Annual Conference of the IEEE Industrial Electronics Society (IECON2015), Yokohama, Japonya.
- 43rd Annual Conference of the IEEE Industrial Electronics Society (IECON2017), Pekin, Çin.

d) Toplantı/Konferans D zenlenmesinde G rev Alma

- 28-30 Nisan 2005 tarihlerinde, T rkiye BiliŐim Vakfı'nın katkılarıyla 19. Bilgisayar M hendisleri B l m BaŐkanları toplantısını DA 'de d zenlemiŐtir.
- 2-4 Eyl l 2009 tarihlerinde KKTC'de yapılan 5. Uluslararası "Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control (ICSCCW 2009)" konferansında organizasyon komitesi eŐ baŐkanı olarak g rev yapmıŐtır.

e) Akademik Yayınlardan Alınan Atıflar

Prof.Dr. Hasan K m rc gil'in bug ne kadar yapmıŐ olduĐu yayınlara ulusal ve uluslararası bilim adamları tarafından:

- Google Scholar'a g re **1345** (Kaynak: <http://scholar.google.com.tr/>).
- ISI Web of Science'a g re **712** (Kaynak: Web of Science) atıf verilmiŐtir.

Ayrıca, Prof.Dr. Hasan K m rc gil'in h-index bilgileri Kasım 2017 tarihi itibarıyla aŐaĐıdaki gibidir

h-index: (Google Scholar): 18

h-index : (Web of Science): 15

BİLGİSAYAR KULLANMA BECERİLERİ

Bilgisayar Dilleri: FORTRAN, Basic, Assembly for Intel 80C196KB/KR.

KullandıĐı MikroŐlemciler: Intel 80C196KB, Intel 80C196KR, Texas Instruments TMS320C6416T.

KullandıĐı Yazılımlar: Matlab / Simulink, Maple, Mathematica.

AKADEMİK  YELİK

- Kıbrıs T rk Elektrik M hendisleri Odası

- Amerika Merkezli, Elektrik ve Elektronik Mühendisleri Kurumu (IEEE), Kıdemli Üye
- Amerika Merkezli, Endüstriyel Elektronik Topluluğu (IEEE-IES)
- Amerikan Mühendislik Eğitimi Topluluğu (ASEE)

YAYINLAR

Uluslararası Hakemli Dergilerdeki Makaleler

- 1) Osman Kükreler and **Hasan Kömürçügil**, "Control Strategy for Single-Phase PWM Rectifiers", IEE Electronics Letters, Vol. 33, No. 21, pp. 1745-1746, October 1997. [SCI]
- 2) **Hasan Kömürçügil** and Osman Kükreler, "Lyapunov-Based Control for Three-Phase PWM AC/DC Voltage-Source Converters", IEEE Transactions on Power Electronics, Vol. 13, No. 5, pp. 801-813, September 1998. [SCI]
- 3) Osman Kükreler and **Hasan Kömürçügil**, "Deadbeat Control Method for Single-Phase UPS Inverters with Compensation of Computation Delay", IEE Proceedings on Electric Power Applications, Vol. 146, No.1, pp. 123-128, January 1999. [SCI]
- 4) **Hasan Kömürçügil** and Osman Kükreler, "A Novel Current-Control Method for Three-Phase PWM AC/DC Voltage-Source Converters", IEEE Transactions on Industrial Electronics, Vol. 46, No. 3, pp. 544 -553, June 1999. [SCI]
- 5) **Hasan Kömürçügil** and Osman Kükreler, "Control Strategy for Single-Phase PWM AC/DC Voltage-Source Converters Based on Lyapunov's Direct Method", International Journal of Electronics, Vol. 87, No. 12, pp. 1485 -1498, December 2000. [SCI]
- 6) Osman Kükreler and **Hasan Kömürçügil**, "Variable Sampling Frequency PWM Waveforms" , IEEE Power Electronics Letters, Vol. 1, No. 1, pp. 14-16, March 2003. [Non-SCI]
- 7) **Hasan Kömürçügil** and Osman Kükreler, "Lyapunov-Based Control Strategy for Power-Factor Preregulators", IEEE Transactions on Circuits and Systems, Part I, Vol. 50, No. 9, pp. 1226 -1229, September 2003. [SCI]
- 8) Osman Kükreler, **Hasan Kömürçügil** and N. Süha Bayındır, "Control Strategy for Single-Phase UPS Inverters", IEE Proceedings on Electric Power Applications, Vol. 150, No. 6, pp. 743 -746, November 2003. [SCI]

- 9) **Hasan Kömürçügil** and Osman Kükreer, "A New Control Strategy For Single-Phase Shunt Active Power Filters Using a Lyapunov Function", IEEE Transactions on Industrial Electronics, Vol. 53, No. 1, pp. 305-312, February 2006. [SCI]
- 10) **Hasan Kömürçügil** and Osman Kükreer, "Globally Stable Control of Three-Phase Three-Wire Shunt Active Power Filters", Springer-Verlag, Electrical Engineering , Vol. 89, No.5, pp. 411-418, May 2007. [SCI]
- 11) Ferhun Yorgancıoğlu and **Hasan Kömürçügil**, "Single-Input Fuzzy-Like Moving Sliding Surface Approach to the Sliding Mode Control", Springer-Verlag, Electrical Engineering, Vol. 90, No. 3, pp. 199-207, February 2008. [SCI]
- 12) Osman Kükreer, **Hasan Kömürçügil** and Alper Doğanalp, "A Three-Level Hysteresis Function Approach to the Sliding Mode Control of Single Phase UPS Inverters", IEEE Transactions on Industrial Electronics, Vol. 56, No. 9, pp. 3477- 3486, September 2009. [SCI]
- 13) **Hasan Kömürçügil**, "Steady-State Analysis and Passivity-Based Control of Single-Phase PWM Current-Source Inverters", IEEE Transactions on Industrial Electronics, Vol. 57, No. 3, pp. 1026-1030, March 2010.[SCI]
- 14) Ferhun Yorgancıoğlu and **Hasan Kömürçügil**, "Decoupled Sliding-Mode Controller Based on Time-Varying Sliding Surfaces for Fourth-Order Systems" Elsevier- Expert Systems with Applications, Vol. 37, No. 10, pp. 6764-6774, October 2010. [SCIE]
- 15) **Hasan Kömürçügil**, "Integral Sliding Mode Based Current-Control Strategy for Single-Phase Current-Source Inverters", Springer-Verlag, Electrical Engineering, Vol. 93, No. 3, pp. 127-136, September 2011. [SCI]
- 16) **Hasan Kömürçügil**, "Rotating Sliding Line Based Sliding Mode Control for Single-Phase UPS Inverters", IEEE Transactions on Industrial Electronics, Vol. 59, No. 10, pp. 3719-3726, October 2012. [SCI]
- 17) **Hasan Kömürçügil**, "Adaptive Terminal Sliding-Mode Control Strategy for Dc-Dc Buck Converters", Elsevier- ISA Transactions, Vol. 51, No. 6, pp. 673-681, November 2012. [SCIE]
- 18) **Hasan Kömürçügil**, "Non-Singular Terminal Sliding-Mode Control of DC-DC Buck Converters", Elsevier- Control Engineering Practice, Vol. 21, No. 3, pp. 321-332, March 2013. [SCIE]
- 19) Hüsnü Bayramoğlu and **Hasan Kömürçügil**, "Nonsingular Decoupled Terminal Sliding-Mode Control for a Class of Fourth-Order Nonlinear Systems", Elsevier-

Communications in Nonlinear Science and Numerical Simulation, Vol. 18, No. 9, pp. 2527-2539, September 2013. [SCIE]

20) Hüsnü Bayramoğlu and **Hasan Kömürçügil**, "Time-Varying Sliding-Coefficient-Based Terminal Sliding Mode Control for a Class of Fourth-Order Nonlinear Systems", Springer-Nonlinear Dynamics, Vol. 73, pp. 1645-1657, 2013. [SCI]

21) Hüsnü Bayramoğlu and **Hasan Kömürçügil**, "Time-Varying Sliding-Coefficient-Based Decoupled Terminal Sliding Mode Control for a Class of Fourth-Order Systems", Elsevier- ISA Transactions, Vol. 53, No. 4, pp. 1044-1053, July 2014. [SCIE]

22) **Hasan Kömürçügil**, "Double-Band Hysteresis Current-Controlled Single-Phase Shunt Active Filter for Switching Frequency Mitigation", Elsevier-International Journal of Electrical Power and Energy Systems, Vol. 69, pp. 131-140, July 2015. [SCIE]

23) **Hasan Kömürçügil**, Necmi Altın, Şaban Özdemir, and İbrahim Sefa, "An Extended Lyapunov-Function-Based Control Strategy for Single-Phase UPS Inverters," IEEE Transactions on Power Electronics, vol. 30, no. 7, pp. 3976-3983, July 2015. [SCI]

24) **Hasan Kömürçügil**, "Improved Passivity-Based Control Method and Its Robustness Analysis for Single-Phase Uninterruptible Power Supply Inverters," IET Power Electronics, vol. 8, no. 8, pp. 1558-1570, 2015. [SCIE]

25) **Hasan Kömürçügil**, Şaban Özdemir, İbrahim Sefa, Necmi Altın and Osman Kükrer, "Sliding-Mode Control for Single-Phase Grid-Connected LCL-Filtered VSI With Double-Band Hysteresis Scheme," IEEE Transactions on Industrial Electronics, vol. 63, no. 2, pp. 864-873, February 2016. [SCI]

26) **Hasan Kömürçügil**, Necmi Altın, Şaban Özdemir, and İbrahim Sefa, "Lyapunov-Function and Proportional-Resonant-Based Control Strategy for Single-Phase Grid-Connected VSI With LCL Filter", IEEE Transactions on Industrial Electronics, vol. 63, no. 5, pp. 2838-2849, May 2016. [SCI]

27) Samet Biricik and **Hasan Kömürçügil**, "Three-Level Hysteresis Current Control Strategy for Three-Phase Four-Switch Shunt Active Filters," IET Power Electronics, vol. 9, pp. 1732-1740, September 2016. [SCIE]

28) Samet Biricik and **Hasan Kömürçügil**, "Optimized Sliding Mode Control to Maximize Existence Region for Single-Phase Dynamic Voltage Restorers", IEEE

Transactions on Industrial Informatics, vol. 12, no. 4, pp. 1486-1497, August 2016. [SCIE]

29) H.Komurcugil and S. Biricik, "Time-Varying and Constant Switching Frequency-Based Sliding-Mode Control Methods for Transformerless DVR Employing Half-Bridge VSI", IEEE Transactions on Industrial Electronics, vol. 64, no. 4, pp. 2570-2579, April 2017.

30) H. Komurcugil, S. Bayhan and H. Abu-Rub, "Variable and Fixed Switching Frequency Based HCC Methods for Grid-Connected VSI with Active Damping and Zero Steady-State Error," IEEE Trans. on Ind. Electronics, vol. 64, no. 9, pp. 7009-7018, September 2017.

31) I. Sefa, S. Ozdemir, H. Komurcugil, and N. Altin "Comparative study on Lypunov-function-based control schemes for single-phase grid-connected voltage-source inverter with LCL filter," IET Renewable Power Generation, vol. 11, no. 11, pp. 1473-1482, 2017.

* SCI: Science Citation Index

** SCIE: Science Citation Index Expanded

Ulusal ve Uluslararası Konferans Makaleleri

1) H seyin Bilgekul and Hasan K m rc gil, "Uyarlamalı S zge lerle GeniŐ Bandlı G r lt  Ortamında İŐaret Sezme ve GiriŐim Bastırma", in Proceedings of 4th Electrical Engineering National Congress, September 1991, pp. 649-652, İzmir, TURKEY.

2) Osman K krer, Kadri HacıoĐlu, and Hasan K m rc gil, "Tek Faz Bir Kesintisiz G ç KaynaĐının Bulanık Mantık Denetimi", in Proceedings of 7th Signal Processing and its Applications (SIU'99), June 1999, pp. 437-442, Ankara, TURKEY.

3) Hasan K m rc gil, "Source Voltage Sensorless Control Strategy for High Power Factor PWM Converters", in Proceedings of 4th IASTED International Conference on Power and Energy Systems (PES 2000), September 2000, pp. 363-368, Marbella, SPAIN.

4) Hasan K m rc gil and Osman K krer, "Akım Denetimli Tek Faz Bir Aktif G ç S zgeci", in Proceedings of 9th Signal Processing and its Applications (SIU'2001), April 2001, pp. 421-426, GazimaĐusa, TRNC.

- 5) **Hasan K m rc gil** and Sinem  zsuer, "A New Design Procedure and a Tuning Method for Fuzzy Proportional-Derivative Plus Conventional Integral Controllers", in Proceedings of 10th Turkish Symposium on Artificial Intelligence and Neural Networks (TAINN' 2001), June 2001, pp. 144-153, GazimaĐusa, TRNC.
- 6) **Hasan K m rc gil** and Turgay  elik, "Dc Kiyıcılar İin Bir-Boyutlu Kural Tabanı Kullanan Bir Bulanık Mantık Denetleyici Tasarımı", in Proceedings of 10th Signal Processing and its Applications (SIU'2002), June 2002, pp. 772-777, Denizli, TURKEY.
- 7) **Hasan K m rc gil** and Ferhun YorgancıoĐlu, "Rule Base Reduction Method for Fuzzy PI Controllers Based on Direct Combination of Input Variables", in Proceedings of 11th Turkish Symposium on Artificial Intelligence and Neural Networks (TAINN' 2002), June 2002, pp. 21-26, Istanbul, TURKEY.
- 8) **Hasan K m rc gil** and Osman K krer, "A Robust Current Control Strategy For Single-Phase Shunt Active Power Filters", in Proceedings of the 29th annual conference of the IEEE Industrial Electronics Society (IECON'03), November 2003, pp. 2277-2281, Roanoke, Virginia, USA.
- 9) Dilek Amir and **Hasan K m rc gil**, "A New Self-Tuning Method for Fuzzy Logic Controllers Using One Dimensional Rule Base" in Proceedings of 13th Turkish Symposium on Artificial Intelligence and Neural Networks (TAINN' 2004), June 2004, pp.165-172, Izmir, TURKEY.
- 10) **Hasan K m rc gil**, "A PI-type Self-Tuning Fuzzy Logic Controller for Dc-Dc Boost Converters", in Proceedings of the 30th Annual Conference of the IEEE Industrial Electronics Society (IECON'04), November 2004, Vol. 1, pp. 209-214, Busan, KOREA.
- 11) **Hasan K m rc gil**, Osman K krer and Alper DoĐanalp, "Optimal Control for Single-Phase UPS Inverters Based On Linear Quadratic Regulator Approach", in Proceedings of International Symposium on Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM 2006), May 2006, pp. 1137-1142, Taormina, ITALY.
- 12) Osman K krer, **Hasan K m rc gil** and Alper DoĐanalp, "Sliding Mode Control of Single-Phase UPS Inverters Using a Three-Level Hysteresis Switching Function", in Proceedings of the 32nd Annual Conference of the IEEE Industrial Electronics Society (IECON'06), November 2006, Vol. 1, pp. 331-335, Paris, FRANCE.

- 13) Ferhun Yorgancıoğlu and **Hasan Kömürçügil**, "Fuzzy Sliding-Mode Control for Second-Order Nonlinear Systems", in Proceedings of the 4th International Symposium (FAE), November 2006, pp. 613-619, Gemikonağı, Lefke, TRNC.
- 14) Ferhun Yorgancıoğlu and **Hasan Kömürçügil**, "Fuzzy Moving Sliding Surface Approach to the Hierarchical Sliding Mode Control", in Proceedings of the 33rd Annual Conference of the IEEE Industrial Electronics Society (IECON'07), November 2007, pp. 659-664, Taipei, TAIWAN.
- 15) **Hasan Kömürçügil**, "Passivity-Based Control of Single-Phase PWM Current-Source Inverters", in Proceedings of the 33rd Annual Conference of the IEEE Industrial Electronics Society (IECON'07), November 2007, pp. 545-550, Taipei, TAIWAN.
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