

ÖZGEÇMİŞ

1. **Adı Soyadı:** Hüseyin Özkaramanlı

2. **Doğum Tarihi:** 31 Aralık 1967

3. **Unvanı:** Profesör

4. **Öğrenim Durumu:**

Derece	Alan	Üniversite	Yıl
Lisans	Elektrik Mühendisliği/Fizik	Tufts University	1990
Y. Lisans	Elektrik Mühendisliği	Tufts University	1992
Doktora	Elektrik Mühendisliği	Tufts University	1995

5. **Akademik Unvanlar**

Yardımcı Doçent	Elektrik Mühendisliği	Dogu Akdeniz Univ.	1997-2004
Doçent	Elektrik Mühendisliği	Dogu Akdeniz Univ.	2004- 2010
Profesör	Elektrik Mühendisliği	Dogu Akdeniz Univ.	2010-

6. **Yönetilen Yüksek Lisans ve Doktora Tezleri**

6.1 **Yüksek Lisans Tezleri**

Asim Bhatti, *Multi-wavelets From Spline Super Functions*, 2002.

Burcin Ozmen, *Parameterized M-band Scalar Wavelets and Multiwavelets*, 2003

Niyazi Oztoprak, *Signal integrity Problems in Integrated Circuit*, 1999

Mehmet E. Ozmus, *Multiwavelet based image Compression via SPIHT*, 2004.

Hassan Abu Hillal, *Wavelets in OFDM*, 2005

Tarik Kabakli, *Face Modeling and animation*, 2005.

Suat Selim, *Detecting People in cluttered indoor scenes using tensor voting*, 2006

Mahmoud Nazzal, *Demosaiicing using dual tree wavelet transform*, 2011.

Fahimeh Farhadifard, *Single image superresolution based on sparse representation via structurally directional dictionaries*, 2013

Junaid Ahmed, *Coupled K-SVD dictionary learning for single image superresolution in wavelet domain*, 2015

Al-Khattab Ali Y. Al-Qaseem, *A CNN based Single Image Superresolution Using Residual Networks with Non-Local Multiple Image Phases*, 2022

6.2 Doktora Tezleri

Turgay Celik, *Moving Object and color segmentation techniques using complex wavelet transform and pixel statistics*, 2007

Burcin Ozmen, *Construction of complex wavelets and multiwavelets and multiwavelets with orthogonality and symmetry and their applications*, 2007

Bulent Bilgehan, *Parameterized wavelets and multiwavelets*, 2007

Mahmoud Nazzal, *Wavelet domain dictionary learning*, 2015

Faezeh Yeganli, *Sparse representation over multiple learned dictionaries via gradient operator properties with applications to single image superresolution*, 2015.

Gulsher Baloch, *Image Denoising via Correlation Based sparse representation and Dictionary Learning*, 2018.

7. Yayınlar

7.1 Uluslararası hakemli dergilerde yayınlanan makaleler

1. G Baloch, H Ozkaramanli, R Yu, "Residual correlation regularization based image denoising," IEEE Signal Processing Letters 25 (2), 298-302.
2. G Baloch, H Ozkaramanli, "Image denoising via correlation-based sparse representation," Signal, Image and Video Processing 11 (8), 1501-1508
3. Yeganli, F.; Nazzal, M.; Unal, M.; Özkaramanli H., 'Image super-resolution via sparse representation over multiple learned dictionaries based on edge sharpness,' SIGNAL IMAGE AND VIDEO PROCESSING, Volume:10 Issue:3, Special Issue:SI Pages:535-542, Mar 2016
4. Nazzal, Mahmoud; Yeganli, Faezeh; Ozkaramanli, Huseyin , "A Strategy for Residual Component-Based Multiple Structured Dictionary Learning", IEEE SIGNAL PROCESSING LETTERS Volume: 22 Issue: 11 Pages: 2059-2063, NOV 2015
5. Yeganli, F.; Nazzal, M.; Özkaramanli H., 'Image super-resolution via sparse representation over multiple learned dictionaries based on edge sharpness and gradient phase angle', SIGNAL IMAGE AND VIDEO PROCESSING Volume: 9 Special Issue: SI Supplement: 1 Pages: 285-293 Published: DEC 2015
6. Nazzal, M.; Ozkaramanli, H., "Wavelet domain dictionary learning-based single image superresolution", SIGNAL IMAGE AND VIDEO PROCESSING Volume: 9 Issue: 7 Pages: 1491-1501 Published: OCT 2015
7. Özkaramanli H., "A Unified approach for generating Multi scaling functions from refinable super functions", *IEE Proceedings vision image and Signal Processing*, vol.150, no.3, pp.143- 152, June 2003.
8. Ozkaramanli H. and Ozmen B., "A Comparative Image Compression Performance Analysis of Multi-wavelets constructed using B-Spline Super Functions", *IEE Electronics Letters*, vol. 39, no. 22, pp. 1578-1579, Oct. 2003.
9. Ozkaramanli, H. and R. Yu, "On the phase condition and its solution for Hilbert transform pairs of wavelet bases", *IEEE Trans. on Signal Processing*, vol. 51, no. 12, pp. 3293-3294, Dec. 2003.
10. Özkaramanli H, Bhatti A., Bilgehan B., "Multi wavelets from B-Spline Super Functions with Approximation Order", *Signal Processing, Elsevier Science*, pp. 1029-1046, Aug. 2002.
11. Özkaramanli H. and B. Bilgehan, "Construction of multi-wavelets from compactly supported refinable super functions", *Digital Signal Processing, Academic Press*, vol. 13, no. 3, pp. 470-494, Jul. 2003.

12. R. Yu and H. Ozkaramanli, "Hilbert transform pairs of orthogonal wavelet bases: necessary and sufficient conditions", *IEEE Trans. on Signal Processing*, vol. 53, no. 12, pp. 4723-4725, Dec. 2005.
13. Celik T, Demirel H, Ozkaramanli H, et al., 'Fire detection using statistical color model in video sequences', *JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION* Volume: 18 Issue: 2 Pages: 176-185, APR 2007
14. Yu RY, Ozkaramanli H, 'Hilbert transform pairs of biorthogonal wavelet bases *IEEE TRANSACTIONS ON SIGNAL PROCESSING* Volume: 54 Issue: 6 Pages: 2119- 2125, JUN 2006
15. Celik T, Direkoglu C, Ozkaramanli H, et al., 'Enhanced facial feature extraction using region-based super-resolution aided video sequences', *IMAGE ANALYSIS AND RECOGNITION*, Volume: 3656 Pages: 1141-1148, 2005
16. Direkoglu C, Demirel H, Ozkaramanli H, et al., 'Efficient face and facial feature tracking using search region estimation', *IMAGE ANALYSIS AND RECOGNITION* Volume: 3656 Pages: 1149-1157, 2005
17. Yurtkan K, Soyel H, Demirel H, Ozkaramanli H., et al., 'Face modeling and adaptive texture mapping for model based video coding', *COMPUTER ANALYSIS OF IMAGES AND PATTERNS, PROCEEDINGS* Volume: 3691 Pages: 498-505 2005
18. Ozkaramanli H, 'A comparison of strong and weak distributed transverse coupling between VLSI interconnects', *IEEE TRANSACTIONS ON COMPUTER-AIDED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS* Volume: 20 Issue: 12 Pages: 1472-1478, DEC 2001
19. Turgay Celik, Huseyin Ozkaramanli, Hasan Demirel, 'Facial feature extraction using complex dual-tree wavelet transform', *Computer Vision and Image Understanding* vol. 111, no. 2, pp. 229- 246, Jul. 2008.
20. B. Ozmen and H. Ozkaramanli, "Complex Linear-Phase Biorthogonal Filterbanks with Approximately Analytic Wavelets", *Signal Processing*, (Accepted), Oct. 2008.
21. A. Eleyan and H. Ozkaramanli and H. Demirel "Complex Wavelet Transform Based Face Recognition", *Signal Processing*, (Accepted), Oct. 2008.
22. A. Eleyan, H. Demirel and H. Ozkaramanli, 'FACE RECOGNITION from Low Resolution Video Sequence Using Weighted Majority Voting', *ELECTRONICS WORLD* Volume: 115 Issue: 1884 Pages: 26-30, DEC 2009.

7.2 Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (Proceedings) basılan bildiriler

1. Alaa Eleyan, Hasan Demirel, Huseyin Ozkaramanli, "Adaptive and Fixed Eigenspace Methods with a Novel Fitness Measure for Video based Face", 2009 24TH INTERNATIONAL SYMPOSIUM ON COMPUTER AND INFORMATION SCIENCES Pages: 599-603 Published: 2009.
2. Alaa Eleyan, Hasan Demirel, Huseyin Ozkaramanli, "Face Recognition using Dual-Tree Wavelet Transform", *IEEE Symposium on Signal Processing and Information Technology (ISSPIT 2008)*, (Accepted), Dec. 2008.
3. Alaa Eleyan, Hasan Demirel, Huseyin Ozkaramanli, "Face Recognition using Dual-Tree Wavelet Transform", *IEEE Symposium on Signal Processing and Applications (SIU 2009)*, (Accepted), March 2009.
4. Celik, T.; Ozkaramanli, H.; Demirel, H.; 'Fire Pixel Classification using Fuzzy Logic and Statistical Color Model,' *IEEE International Conference on Acoustics, Speech and Signal Processing*, 2007. (ICASSP 2007), Volume 1, 15-20 April 2007 Page(s): I-1205 - I-1208
5. Celik, T.; Demirel, H.; Ozkaramanli, H.; Uyguroglu, M.; 'Fire Detection in Video Sequences Using Statistical Color Model' *IEEE International Conference on Acoustics, Speech and Signal Processing*, 2006. (ICASSP 2006), Volume 2, 14-19 May 2006 Page(s): II - II
6. Kabakli, T.; Celik, T.; Demirel, H.; Ozkaramanli, H.; Uyguroglu, M.; 'Connected components based face tracking and pose estimation using PCA,' *Proceedings of the IEEE 13th Signal Processing and Communications Applications Conference*, 2005. 16-18 May 2005 Page(s): 428 - 431

7. Celik, T.; Direkoglu, C.; Ozkaramanli, H.; Demirel, H.; Uyguroglu, M.;, 'Region-based super-resolution aided facial feature extraction from low-resolution sequences' IEEE International Conference on Acoustics, Speech, and Signal Processing, 2005. Proceedings. (ICASSP '05). , Volume 2, 18-23 March 2005 Page(s):ii/789 - ii/792 Vol. 2
8. Celik, T.; Kabakli, T.; Uyguroglu, M.; Ozkaramanli, H.; Demirel, H.;, 'Automatic threshold selection for automated visual surveillance' Proceedings of the IEEE 12th Signal Processing and Communications Applications Conference, 2004. , 28-30 April 2004 Page(s):478 - 480
9. Kabakli, T.; Celik, T.; Demirel, H.; Ozkaramanli, H.; Uyguroglu, M.; Kondoz, A.M.;, 'Robust face tracking using color segmentation aided with connected components labeling and morphology' Proceedings of the IEEE 12th Signal Processing and Communications Applications Conference, 2004. , 28-30 April 2004 Page(s):442 – 445
10. T. Celik, H. Ozkaramanli, H. Demirel, "Fire and Smoke Detection without Sensors: Image Processing Based Approach", EUSIPCO 2007, 15th European Signal Processing Conference, Poland, , Sep. 2007.
11. T. Celik, H. Demirel, H. Ozkaramanli, "Automatic Fire Detection in Video Sequences", European Signal Processing Conference (EUSIPCO 2006), Florence, Italy, Sep. 2006.
12. Hüseyin ÖZKARAMANLI and Burçin ÖZMEN, "Performance Analysis of Multiwavelets Constructed Using B-Spline Refinable Super Functions", EUSIPCO 2004 Vien, Austria.
13. Burçin ÖZMEN and Hüseyin ÖZKARAMANLI, "Ortogonal ve simetrik özellikli karmaşık süzgeç bankaları ve dalgacıkları", The Proceedings of SIU'2003, pp. 339-342, İstanbul-Türkiye, 18-20 June 2003. Conference 2004,
14. A. Baradarani, H. Ozkaramanli, B. Ozmen, T. Celik, H. Demirel, ' Multi-Wavelet Based Moving Object Detection and Segmentation', GSPx, Int. Signal Processing Conference, Santa Clara, USA, 2006 Oct.
15. H. Ozkaramanli, A. Baradarani, H. Demirel, B. Özmen, T. Çelik, ' Moving Object Edge Detection and Segmentation using Multi-Wavelets', 14. IEEE Sinyal İşleme ve Uygulamaları Kurultayı, SIU'2006, Antalya, Türkiye, Nisan 2006.
16. K. Yurtkan, H. Soyel, H. Demirel, H. Ozkaramanli, M. Uyguroglu, E. Varoglu, ' Face Modeling and Adaptive Texture Mapping for Model Based Video Coding', Lecture Notes in Computer Science(LNCS), vol.3691, pp498-505, sept.2005.
17. H. Soyel, K. Yurtkan, H. Demirel, H. Ozkaramanli, M. Uyguroglu, E. Varoglu, 'Face Modeling and Animation for MPEG Compliant Model Based Video Coding', IASTED International Conference on Computer Graphics and Imaging (CGIM 2005), USA, June 2005.
18. Ozkaramanli, H.; Runyi Yu;, 'Characterization of approximation order of multi-scaling functions via refinable super functions' IEEE International Conference on Acoustics, Speech, and Signal Processing, 2003. Proceedings. (ICASSP '03). 2003 , Volume 6, 6-10 April 2003 Page(s):VI - 405-8 vol.6
19. Ozkaramanli, H.; Runyi Yu;, 'On the phase condition and its solution for Hilbert transform pairs of wavelets bases' Proceedings IEEE International Conference on Acoustics, Speech, and Signal Processing, 2003. (ICASSP '03) , Volume 6, 6-10 April 2003 Page(s):VI - 417-20 vol.6
20. Ozkaramanli, H.; Bhatti, A.;, 'A unified approach for constructing multi-wavelets' Acoustics, Proceedings IEEE International Conference on Speech, and Signal Processing, 2002. (ICASSP '02) , Volume 2, Page(s):1245 – 1248
21. Bhatti, A.; Ozkaramanli, H.;, 'M-band multi-wavelets from spline super functions with approximation order', Proceedings IEEE International Conference on Acoustics, Speech, and Signal Processing, (ICASSP'02). Volume 4, 13-17 May 2002 Page(s):IV-4172
22. Ozkaramanli, H.; Bhatti, A.; Kabakli, T.;, 'Alpert's multi-wavelets from spline super-functions', IEEE Proceedings International Conference on Acoustics, Speech, and Signal Processing, 2001.. (ICASSP'01), Volume 6, 7-11 May 2001 Page(s):3665 - 3668 vol.6
23. Ozkaramanli, H.; Bhatti, A.; Bilgehan, B.;, 'Multi-wavelets from spline super-functions with approximation order,' The 2001 IEEE International Symposium on Circuits and Systems, ISCAS 2001. , Volume 2, 6-9 May 2001 Page(s):525 - 528 vol. 2
24. Ozkaramanli, H.;, 'Transverse distributed coupling between specifically terminated low loss VLSI interconnections', Proceedings International Symposium on Circuits and Systems, ISCAS 2000 Geneva. Volume 4, 28-31 May 2000 Page(s):549 - 552 vol.4

25. Özkaramanli H, Ozmen B., "Cok Dalgacikli Goruntu sikistirmasi icin coklu suzgec tasarimi", *Sinyal Isleme ve Uygulamalari Kurultayi, Magosa*, Apr. 2001, pp. 382-386.
26. Özkaramanli H., "Spline super fonksiyonlarından yaklaşımlı düzenli çoklu dalgacık yaratımı için yeni bir metod", *Sinyal İşleme ve Uygulamaları Kurultayı, Magosa*, Nisan. 2001, 382-386.
27. Özkaramanli H., Ozmen B., Uzuner H, Sakalli A, "M-bant Parametrelı Waveletlerin Yaratılması", *SIU 2000*, Jun. 2000.
28. Özkaramanli H. Oztoprak N and Y. Nakisci, "A Comparison of Strong and Weak Distributed Coupling Between VLSI interconnects", International Conference on Electrical Engineering and Technology, Dar es Salam, Tanzania, Sep. 1999.
29. Özkaramanli H., N. Oztoprak and Y. Nakisci, "The Effects of Mutual Capacitance and Inductance on Delay in VLSI interconnects", International Conference on Electrical Engineering and Technology, Dar es Salam, Tanzania, Sep. 1999.

8. İdari Görevler

Dekan	2020-2023
Rektör Yrd., Akademik İşler	2016-2018
Bölüm Başkan Yardımcılığı	2000-2003
Senato üyeliği	2004-2008
Fakülte kurulu üyeliği	2008-2009

9. Dernek/Sendika Görevleri

DAÜ-SEN Yönetim kurulu üyeliği	2004-2008, 2009-2015
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