

ÖZGEÇMİŞ

1. **Adı Soyadı:** Didem KIVANÇ TÜRELİ

2. **Doğum Tarihi:** 06.09.1973

3. **Unvanı:** Yardımcı Doçent Doktor

4. **Öğrenim Durumu:**

Derece	Alan	Üniversite	Yıl
Lisans	Elektrik Elektronik Mühendisliği	Boğaziçi Üniversitesi	1994
Y. Lisans	Elektronik Mühendisliği	University of Surrey	1995
Doktora	Elektrik Mühendisliği	University of Washington	2005

5. **Akademik Unvanlar**

Ünvanı	Bilim Dalı	Üniversite	Yıl
Yrd. Doç.	Elektrik ve Bilgisayar Mühendisliği	WVU Inst. of Technology, West Virginia, A.B.D.	2008
Yrd. Doç.	Elektrik Elektronik Mühendisliği	Okan Üniversitesi	2011
Doçent			
Profesör			

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

6.1 **Yüksek Lisans Tezleri**

6.2 **Doktora Tezleri**

7. **Yayımlar**

7.1 **Uluslararası hakemli dergilerde yayınlanan makaleler**

- E. Zeydan, **D. Kıvanç Türelİ**, C. Comaniciu and U. Türelİ, "Energy-Efficient Routing for Correlated Data in Wireless Sensor Networks," Elsevier Ad Hoc Networks, vol. 10, no. 6, pp. 962–975, Aug. 2012.
- E. Zeydan, **D. Kıvanç Türelİ**, U. Türelİ and C. Comaniciu, "Joint Iterative Beamforming and Power Adaptation for MIMO Ad Hoc Networks", EURASIP Journal on Wireless Communications and Networking 2011, 2011:79, 26 August 2011.
- **D. Kıvanç**, Guoqing Li and Hui Liu, "Computationally Efficient Bandwidth Allocation and Power Control for OFDMA" Transactions on Wireless Communications, vol. 2, no. 6, pp. 1150–1158, November 2003.

- U. Türeli, **D. Kıvanç** and Hui Liu, “Experimental and Analytical Studies on a High-Resolution OFDM Carrier Frequency Offset Estimator,” IEEE Trans. on Vehicular Technology, vol. 50, no. 2, pp. 629–643, March 2001.

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

1. E. Zeydan, **D. Kıvanç** and U. Türeli, “Iterative Beamforming and Power Control for MIMO Ad Hoc Networks”, Proc. IEEE Global Communications Conference (GLOBECOM), Ad-Hoc and Sensor Networking Symposium, Miami, FL, November 2010.
2. U. Türeli, and **D. Kıvanç**, “Joint Approximation of Localization and Path Exponent in a RSS System”, Wireless Sensing, Localization, and Processing V Conference at the SPIE Symposium on Defense, Security and Sensing, Orlando, FL, April 2010.
3. E. Zeydan, **D. Kıvanç** and U. Türeli, “Joint Iterative Power Control and Beamforming with Limited Feedback for MIMO Ad Hoc Networks,” IEEE CISS 2010, Princeton, NJ, March 2010.
4. T. Kamakaris, **D. Kıvanç** and U. Türeli, “Spatial and Spectral Radio Resource Enhancement for Urban Spectrum Reuse”, in Proc. IEEE Personal Indoor and Mobile Communications (PIMRC) Sep. 2008, Cannes, France.
5. E. Zeydan, **D. Kıvanç** and U. Türeli, “Unitary and Non-unitary Differential Space Frequency Coded OFDM” in Proc. of IEEE Wireless Communications and Networking Conference (WCNC’08), Las Vegas, NV, April 2008.
6. E. Zeydan, **D. Kıvanç** and C. Comaniciu, “Efficient Routing for Correlated Data in Wireless Sensor Networks”, Proc. IEEE Military Communications Conference (MILCOM), Orlando, FL, 2008.
7. V. Parikh, **D. Kıvanç**, and U. Türeli, “Performance Analysis of CSMA and RI-BTMA in an Ad Hoc Network”, Proc. IEEE CISS, Mar. 2008, Princeton, NJ.
8. E. Zeydan, **D. Kıvanç**, and U. Türeli, “Cross Layer Interference Mitigation Using a Convergent Two Stage Game for Ad Hoc Networks”, Proc. IEEE CISS, Mar. 2008, Princeton, NJ.
9. T. Kamakaris, **D. Kıvanç** and U. Türeli, “Interference Model for Cognitive Coexistence in Cellular Systems”, in Proc. IEEE Global Communications Conference (GLOBECOM) Nov. 2007, Washington, DC.
10. **D. Kıvanç**, N. Patel and U. Türeli, “Effective Channel Utilization Using the MARI-BTMA Protocol”, in Proc. IEEE Military Communications Conference (MILCOM), Oct. 2007, Orlando, FL.
11. E. Zeydan, **D. Kıvanç**, and U. Türeli, “Joint Iterative Channel Allocation and Beamforming Algorithm for Interference Avoidance in Multiple-Antenna Ad Hoc Networks”, in Proc. IEEE Military Communications Conference (MILCOM), Oct. 2007, Orlando, FL.
12. T. Kamakaris, **D. Kıvanç** and U. Türeli, “Opportunistic Cellular Reuse in Cellular Systems”, in Proc. IEEE Personal Indoor and Mobile Radio Communications Conference (PIMRC), Sep. 2007, Athens, Greece.
13. **D. Kıvanç**, U. Türeli and H. Liu, "Fair Resource Allocation in an Uplink OFDMA System," in Proc. IEEE Wireless Communications and Networking Conference (WCNC'07), Hong Kong, March 2007.
14. N. Patel, **D. Kıvanç** and U. Türeli, “The Effect of Frequency Offset on the Multiple Antenna Receiver Initiated Busy Tone Medium Access (MARI-BTMA) Protocol,” in Proc. IEEE Military Communications Conference (MILCOM), Oct. 2006.

15. **D. Kıvanç**, U. Türeli and Hui Liu, “Capacity Improvement for Uplink OFDMA,” in Proc. 36th Asilomar Conference on Signals, Systems and Computers, vol. 2, pp. 1809-1812 Nov. 2002.
16. Y. Abdalla, **D. Kıvanç** and Hui Liu, “PRMA with Reservation Subframe Protocol for Multimedia Services in Mobile Communication Networks,” in Proc. IEEE Global Telecommunications Conference (Globecom), vol. 6, pp. 3538–3542, San Antonio, TX, Nov. 2001.
17. Y. Abdalla, **D. Kıvanç** and Hui Liu, “PRMA with Reservation Subframe Protocol for Multimedia Services in Mobile Communication Networks,” in Proc. Vehicular Technology Conference (VTC), vol. 2, pp. 802–806, Atlantic City, NJ, Oct. 2001.
18. U. Türeli, **D. Kıvanç** and Hui Liu, “Multicarrier Synchronization with Diversity,” in Proc. Vehicular Technology Conference (VTC), vol. 2, pp. 952–956, Atlantic City, NJ, Oct. 2001.
19. U. Türeli, **D. Kıvanç** and Hui Liu, “Channel Estimation for Multicarrier CDMA,” in Proc. Acoustics, Speech, and Signal Processing (ICASSP), vol. 5, pp. 2909–2912, Istanbul, Turkey, June 2000.
20. **D. Kıvanç** and Hui Liu, “Subcarrier Allocation and Power Control for OFDMA,” in Proc. 34th Asilomar Conference on Signals, Systems and Computers, vol. 1, pp. 147–151, Asilomar, CA, Oct. 2000.
21. U. Türeli, **D. Kıvanç** and Hui Liu, “Subspace Based OFDM Carrier Offset Estimation Algorithm in Model Mismatch,” in Proc. 34th Asilomar Conference on Signals, Systems and Computers, vol. 1, pp. 264–268, Asilomar, CA, Oct. 2000.
22. U. Türeli, **D. Kıvanç** and Hui Liu, “MC-CDMA Uplink-blind Carrier Frequency Offset Estimation,” in Proc. 34th Asilomar Conference on Signals, Systems and Computers, vol. 1, pp. 241–245, Asilomar, CA, Oct. 2000.
23. **D. Kıvanç** and Hui Liu, “Uplink Performance of MC-CDMA in the Presence of Frequency Offset,” in Proc. Vehicular Technology Conference (VTC), vol. 5, pp. 2855–2859, Amsterdam, Netherlands, Sept. 1999.
24. **D. Kıvanç** and Hui Liu, “Blind Symbol Detection of Coded Sequences,” in Proc. Conference on Information Sciences and Systems (CISS), Princeton, NJ, Mar. 1998.

7.3 Yazılan uluslar arası kitaplar veya kitaplarda bölümler

7.4 Ulusal hakemli dergilerde yayımlanan makaleler

7.5 Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

1. U. Türeli ve **D. Kıvanç**, Açık Alan Küçük Hücre LTE-A Ağlarda Veri Hızı ve İlişkilendirme, IEEE 22. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU), Trabzon, 23-25 Nisan 2014.
2. U. Türeli, D. Ayıkol, and **D. Kıvanç**, “Türdeş olmayan LTE Ağlarda Sapmalı İlişkilendirmenin Kapsama ve Veri Hızına Etkisi,” in Proc. IEEE Sinyal İşleme ve İletişim Uygulamaları Konferansı (SIU), Girne, KKTC, 2013.

7.6 Yazılan ulusal kitaplar veya kitaplarda bölümler

7.7 Diğer yayınlar

8. Projeler

- Danışman, Tübitak, “GATAS: Akıllı Şamandıra” projesi (2014-2015)
- Yürütücü, Batı Virginia Eyaleti Yüksek Öğrenim Politika Komisyonu Bilim ve araştırma Bölümü (Division of Science & Research West Virginia Higher Education Policy Commission), “Müfredat geliştirilmesi için sensor ağı geliştirme kitleri.” (16486 TL = \$10289) (2009-2010)

- Arařtırmacı, “Çok radyolu kablosuz algılayıcı aęlar”, US Army-Telsiz Aę Haberleřmesi Güvenlięi Programı (2006-2008).
- Arařtırmacı, “Kablosuz algılayıcı aęlarda konum belirleme”, US Army-Telsiz Aę Haberleřmesi Güvenlięi Programı (2007-2008).
- Arařtırmacı, “NeTS: ProWiN: Programmable Radios: Platforms for Highly Dynamic Networks”, National Science Foundation (NSF), (2006-2007).
- Arařtırmacı, “NSF NeTS:ProWiN: Dynamic Intelligent Management of Spectrum for Ubiquitous Mobile Networks (DIMSUMnet)”, National Science Foundation (NSF), (2006-2007).

9. İdari Görevler

- Bölüm Bologna koordinatörü.
- DGS İntibak komisyonu üyesi.
- Bölüm MÜDEK koordinatörü.

10. Bilimsel Kuruluşlara Üyelikler

- IEEE Üyesi, 1997 – Devam Ediyor

11. Ödüller

- University of Washington Outstanding Graduate Research Assistant, 2002

12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2011-2012	Güz	EEE 403 Digital Signal Processing	2	2	16
		EEE 307 Analog Communications	3		30
		MATH 265 Probability and Statistics	3		47
	İlkbahar	EEE 306 Digital Communications	3	2	18
		EEE 454 Digital Systems and Filters	3		5
		IE 202 Statistics for Engineering	3		28
2012-2013	Güz	EEE 403 Digital Signal Processing	2	2	41
		EEE 307 Analog Communications	3		49
		EEE 203 Introduction to Matlab		2	50
		MATH 265 Probability and Statistics	3		41
	İlkbahar	EEE 306 Digital Communications	3	2	45
		EEE 454 Digital Systems and Filters	3		32
		CMPE 152 Computer Programming	3		50