



EVŞEN YANMAZ ADAM

Öğrenim Bilgileri

Doktora, Doktora, CARNEGIE MELLON UNIVERSITY, ABD
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Tez Başlığı: Dynamic Load Balancing In Wireless Networks
Tez Konusu: Relay-based Cellular Systems And Dynamic Load Balancing In Wireless Networks
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Deneyim / İşyeri Bilgileri

01 Eylül 2018 - Şu Anda (4 yıl 7 ay) (Tam Zamanlı)
DOKTORALİ ÖĞRETİM ÜYESİ, DR. ÖĞR. ÜYESİ, ÖZYEGİN ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ

01 Mart 2018 - 01 Ağustos 2018 (6 ay) (Tam Zamanlı)
DOKTORALİ ÖĞRETİM ÜYESİ, DR. ÖĞR. ÜYESİ, BAHÇEŞEHİR ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ

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ALMANCA (Okuma: Orta, Yazma: Orta, Konuşma: Orta)

Bilimsel Teknolojik Faaliyet Alanları

Bilimsel Teknolojik Faaliyet Alanı Bilgileri

Teknik Bilimler -- Bilgi Sistemleri, Haberleşme ve Kontrol Mühendisliği -Haberleşme Mühendisliği -- Kablosuz İletişim

Teknik Bilimler -- Bilgi Sistemleri, Haberleşme ve Kontrol Mühendisliği -- Robotik ve Mekatronik Sistemler -- Rota ve Hareket Planlama

Anahtar Kelimeler

Araç Rotalama Problemleri

Otonom Gezgin Robot

Akıllı İnsansız Hava Araçları

Çok Amaçlı Optimizasyon

Çoklu İnsansız Hava Araçları

Kablosuz Ağlar

Haberleşme Protokolleri

Ar-Ge Yetkinlik

Kitaplar

E. YANMAZ ADAM & S. HAYAT, Aerial Wi-fi Networks, Uav Networks And Communications(45 - 57), ISBN: 9781316335765: Cambridge University Press, Kitap.

Makaleler

E. YANMAZ, Joint or decoupled optimization: Multi-UAV path planning for search and rescue, AD HOC NETWORKS, 2023, 1570-8705, 138.

E. YANMAZ, Positioning aerial relays to maintain connectivity during drone team missions, AD HOC NETWORKS, 2022, 1570-8705, 128.

E. YANMAZ ADAM, Dynamic Relay Selection and Positioning for Cooperative UAV Networks, IEEE Networking Letters, 2021, 2576-3156, 3, 3, 114-118.

E. YANMAZ ADAM, Connectivity considerations for mission planning of a search and rescue drone team, TURKISH JOURNAL OF ELECTRICAL ENGINEERING COMPUTER SCIENCES, 2020, 1303-6203, 28, 4, 2228-2243.

S. HAYAT, E. YANMAZ, C. BETTSTETTER & T. X. BROWN, Multi-objective drone path planning for search and rescue with quality-of-service requirements, AUTONOMOUS ROBOTS, 2020, 0929-5593, 44, 7, 1183-1198.

E. YANMAZ ADAM, Leveraging Connectivity for Coverage in Drone Networks for Target Detection, Balkan Journal of Electrical and Computer Engineering, 2019, 2147-284X, 7, 3, 218-225.

R. MUZAFFAR, E. YANMAZ ADAM, C. RAFFELSBERGER, C. BETTSTETTER & A. CAVALLARO, Live multicast video streaming from drones: an experimental study, Autonomous Robots, 2019, 0929-5593.

E. NATALİZİÖ, N. R. ZEMA, E. YANMAZ ADAM, L. D. P. PUGLİESE & F. GUERRİERO, Take the Field from your Smartphone: Leveraging UAVs for Event Filming, IEEE Transactions on Mobile Computing, 2019, 1536-1233, 1-1.

E. YANMAZ, S. YAHYANEJAD, B. RİNNER, H. HELLWAGNER & C. BETTSTETTER, Drone networks: Communications, coordination, and sensing, AD HOC NETWORKS, 2018, 1570-8705, 68, 1-15.

S. HAYAT, E. YANMAZ ADAM & R. MUZAFFAR, Survey on Unmanned Aerial Vehicle Networks for Civil Applications: A Communications Viewpoint, IEEE COMMUNICATIONS SURVEYS AND TUTORIALS, 2016, 1553-877X, 18, 4, 26242661.

A. KHAN, E. YANMAZ & B. RİNNER, Information Exchange and Decision Making in Micro Aerial Vehicle Networks for Cooperative Search, IEEE TRANSACTIONS ON CONTROL OF NETWORK SYSTEMS, 2015, 2325-5870, 2, 4, 335-347.

T. ANDRE, K. A. HUMMEL, E. YANMAZ ADAM, A. P. SCHOELLİG, M. ASADPOUR, C. BETTSTETTER, P. GRİPPA, H. HELLWAGNER, S. SAND & S. ZHANG, ApplicationDriven Design of Aerial Communication Networks, IEEE COMMUNICATIONS MAGAZINE, 2014, 0163-6804, 52, 5, 128-136.

H. ADAM, E. YANMAZ & C. BETTSTETTER, Medium Access with Adaptive Relay Selection in Cooperative Wireless Networks, IEEE TRANSACTIONS ON MOBILE COMPUTING, 2014, 1536-1233, 13, 9, 2042-2057.

H. ADAM, E. YANMAZ ADAM & C. BETTSTETTER, Contention-Based Estimation of Neighbor Cardinality, IEEE Transactions on Mobile Computing, 2013, 0000-0000, 12, 3, 542-555.

O. K. TONGUZ & E. YANMAZ ADAM, The Mathematical Theory of Dynamic Load Balancing in Cellular Networks, IEEE TRANSACTIONS ON MOBILE COMPUTING, 2008, 1536-1233, 7, 12, 1504-1518.

H. WU, S. DE, E. YANMAZ ADAM, C. QİAO & O. K. TONGUZ, Handoff Performance of the Integrated Cellular and Ad Hoc Relaying (iCAR) System, Wireless Networks, 2005, 0000-0000, 11, 6, 775-785.

S. DİXİT, E. YANMAZ ADAM & O. K. TONGUZ, On the design of self-organized cellular wireless networks, IEEE COMMUNICATIONS MAGAZINE, 2005, 01636804, 43, 7, 86-93.

E. YANMAZ ADAM & O. K. TONGUZ, Dynamic load balancing and sharing performance of integrated wireless networks, IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, 2004, 0733-8716, 22, 5, 862-872.

C. E. ERDEM, G. Z. KARABULUT KURT, E. YANMAZ ADAM & E. ANARİM, Motion Estimation In The Frequency Domain Using Fuzzy C-planes Clustering, IEEE TRANSACTIONS ON IMAGE PROCESSING, 2001, 1057-7149, 10, 12, 1873-1879.

E. YANMAZ ADAM & H. K. EKENEL, BİLGİSAYARLI GÖRÜ DESTEKLİ ÇOKLU-İHA ARAMAKURTARMA SİSTEMİ, Tam Metin Bildiri, 1. Deprem Risk Yönetiminde Yazılım ve Deprem Mühendisliği Çalıştayı (1st Workshop on Earthquake and Software Engineering in Seismic Risk Management), 26 Mayıs 2022, 26 Mayıs 2022.

S. HAYAT, E. YANMAZ ADAM, T. X. BROWN & C. BETTSTETTER, Multi-objective Uav Path Planning For Search And Rescue, Tam Metin Bildiri, 2017 Proceedings Icra, 29 Mayıs 2017, 03 Haziran 2017.

R. MUZAFFAR, E. YANMAZ ADAM, C. BETTSTETTER & A. CAVALLARO, Application-layer Rate-adaptive Multicast Video Streaming Over 802.11 For Mobile Devices, Tam Metin Bildiri, Proceedings Of Acn On Multimedia Conference, 15 Ekim 2016, 19 Ekim 2016.

S. HAYAT, E. YANMAZ ADAM & C. BETTSTETTER, Experimental Analysis Of Multipoint-to-point Uav Communications With Ieee 802.11n And 802.11ac, Tam Metin Bildiri, Ieee 26th Annual International Symposium On Personal, Indoor, And Mobile Radio Communications (pimrc), 30 Ağustos 2015, 02 Eylül 2015.

J. SCHERER, S. YAHYANEJAD, S. HAYAT, E. YANMAZ ADAM, T. ANDRE, A. KHAN, V. VUKADİNOVIĆ, C. BETTSTETTER, H. HELLWAGNER & B. RİNNER, An Autonomous Multi-uav System For Search And Rescue, Tam Metin Bildiri, Dronet '15 Proceedings Of The First Workshop On Micro Aerial Vehicle Networks, Systems, And Applications For Civilian Use, 18 Mayıs 2015, 22 Mayıs 2015.

Bildiriler

A. KHAN, E. YANMAZ ADAM & B. RINNER, Information Merging In Multi-uav Cooperative Search, Tam Metin Bildiri, Ieee International Conference On Robotics And Automation (icra), 31 Mayıs 2014, 07 Haziran 2014.

M. RAPPAPORT, E. YANMAZ ADAM & C. BETTSTETTER, Neighbor Cardinality Estimation With Low-power Transceivers: Implementation And Experimental Results, Tam Metin Bildiri, Ieee 79th Vehicular Technology Conference (vtc Spring), 18 Mayıs 2014, 21 Mayıs 2014.

E. YANMAZ ADAM, S. HAYAT, J. SCHERER & C. BETTSTETTER, Experimental Performance Analysis Of Two-hop Aerial 802.11 Networks, Tam Metin Bildiri, Ieee Wireless Communications And Networking Conference (wcnc), 06 Nisan 2014, 09 Nisan 2014.

E. YANMAZ ADAM, R. KUSCHNIG & C. BETTSTETTER, Achieving Air-ground Communications In 802.11 Networks With Three-dimensional Aerial Mobility, Tam Metin Bildiri, Ieee Infocom, 14 Nisan 2013, 19 Nisan 2013.

E. YANMAZ ADAM, Connectivity Versus Area Coverage In Unmanned Aerial Vehicle Networks, Tam Metin Bildiri, Ieee International Conference On Communications (icc), 10 Haziran 2012, 15 Haziran 2012.

E. YANMAZ ADAM, R. KUSCHNIG & C. BETTSTETTER, Channel Measurements Over 802.11a-based Uav-to-ground Links, Tam Metin Bildiri, Ieee Globecom Workshops (gc Wkshps), 05 Aralık 2011, 09 Aralık 2011.

E. YANMAZ ADAM, R. KUSCHNIG, M. QUARITSCH, C. BETTSTETTER & B. RINNER, On Path Planning Strategies For Networked Unmanned Aerial Vehicles, Tam Metin Bildiri, Ieee Conference On Computer Communications Workshops (infocom Wkshps), 10 Nisan 2011, 15 Nisan 2011.

E. YANMAZ ADAM, C. COSTANZO, C. BETTSTETTER & W. ELMENREICH, A Discrete Stochastic Process For Coverage Analysis Of Autonomous Uav Networks, Tam Metin Bildiri, 2010 Ieee Globecom Workshops, 06 Aralık 2010, 10 Aralık 2010.

E. YANMAZ ADAM & C. BETTSTETTER, Area Coverage With Unmanned Vehicles: A Belief-based Approach, Tam Metin Bildiri, Ieee 71st Vehicular Technology Conference, 16 Mayıs 2010, 19 Mayıs 2010.

H. ADAM, E. YANMAZ ADAM, W. ELMENREICH & C. BETTSTETTER, Contentionbased Neighborhood Estimation, Tam Metin Bildiri, Ieee 71st Vehicular Technology Conference, 16 Mayıs 2010, 19 Mayıs 2010.

E. YANMAZ ADAM & H. GÜÇLÜ, Stationary And Mobile Target Detection Using Mobile Wireless Sensor Networks, Tam Metin Bildiri, Infocom Ieee Conference On Computer Communications Workshops, 15 Mart 2010, 19 Mart 2010.

N. MARCHENKO, E. YANMAZ ADAM, H. ADAM & C. BETTSTETTER, Selecting A Spatially Efficient Cooperative Relay, Tam Metin Bildiri, Ieee Global Telecommunications Conference, 30 Kasım 2009, 04 Aralık 2009.

N. MARCHENKO, C. BETTSTETTER & E. YANMAZ ADAM, On Radio Resource Allocation In Proactive Cooperative Relaying, Tam Metin Bildiri, Ieee International Conference On Communications Workshops, 14 Haziran 2009, 18 Haziran 2009.

E. YANMAZ ADAM, Mitigating Effects Of Node Failure Via Mobility In Wireless Networks, Tam Metin Bildiri, 4th International Symposium On Wireless Pervasive Computing, 11 Şubat 2009, 13 Şubat 2009.

E. YANMAZ ADAM, Epidemic Propagation In Overlaid Wireless Networks, Tam Metin Bildiri, Ieee Global Telecommunications Conference, 30 Kasım 2008, 04 Aralık 2008.

E. YANMAZ ADAM, Impact Of Mobility Pattern On Epidemic Propagation In Wireless Networks, Tam Metin Bildiri, Ieee 19th International Symposium On Personal, Indoor And Mobile Radio Communications, 15 Eylül 2008, 18 Eylül 2008.

E. YANMAZ ADAM & T. KARRELS, A Multi-tracking Wireless Ad Hoc Routing Protocol, Tam Metin Bildiri, International Wireless Communications And Mobile Computing Conference, 06 Ağustos 2008, 08 Ağustos 2008.

E. YANMAZ ADAM, Impact Of Topology-dependent And Independent Mobility Models On The Connectivity Of Wireless Networks, Tam Metin Bildiri, Ieee Sarnoff Symposium, 28 Nisan 2008, 30 Nisan 2008.

E. YANMAZ ADAM, O. K. TONGUZ & S. DİXİT, Self-organization In Cellular Wireless Networks Via Fixed Relay Nodes, Tam Metin Bildiri, Ieee Globecom, 27 Kasım 2006, 01 Aralık 2006.

E. YANMAZ ADAM, O. K TONGUZ & S. DİXİT, Power Law Property And Selforganization In Hybrid Ad Hoc Wireless Networks, Tam Metin Bildiri, 1st International Symposium On Wireless Pervasive Computing, 16 Ocak 2006, 18 Ocak 2006.

E. YANMAZ ADAM, O. K TONGUZ & R. RAJKUMAR, Is There An Optimum Dynamic Load Balancing Scheme?, Tam Metin Bildiri, Ieee Global Telecommunications Conference, 28 Kasım 2005, 02 Aralık 2005.

E. YANMAZ ADAM, Location Dependent Dynamic Load Balancing, Tam Metin Bildiri, Ieee Global Telecommunications Conference, 28 Kasım 2005, 02 Aralık 2005.

E. YANMAZ ADAM & O. K TONGUZ, Handover Performance Of Dynamic Load Balancing Schemes In Cellular Networks, Tam Metin Bildiri, 10th Ieee Symposium On Computers And Communications (iscc'05), 27 Haziran 2005, 30 Haziran 2005.

E. YANMAZ ADAM, C. WEİ & O. K TONGUZ, Performance Enhancement Techniques For Tcp Over Wireless Links, Tam Metin Bildiri, Ieee 61st Vehicular Technology Conference, 30 Mayıs 2005, 01 Haziran 2005.

S. DİXİT & E. YANMAZ ADAM, Self-organization Of Relay-based Next Generation Radio Access Networks (rans), Tam Metin Bildiri, Ieee International Conference On Personal Wireless Communications, 23 Ocak 2005, 25 Ocak 2005.

H. WU, S. DE, C. QİAO, E. YANMAZ ADAM & O. K TONGUZ, Managed Mobility: A Novel Concept In Integrated Wireless Systems, Tam Metin Bildiri, Ieee International Conference On Mobile Ad-hoc And Sensor Systems, 25 Ekim 2004, 27 Ekim 2004.

E. YANMAZ ADAM & O. K TONGUZ, Dynamic Load Balancing Performance In Cellular Networks With Multiple Traffic Types, Tam Metin Bildiri, Ieee 60th Vehicular Technology Conference, 2004. Vtc2004-fall. 2004, 26 Eylül 2004, 29 Eylül 2004.

O. K TONGUZ & E. YANMAZ ADAM, On The Theory Of Dynamic Load Balancing, Tam Metin Bildiri, Ieee Global Telecommunications Conference, 01 Aralık 2003, 05 Aralık 2003.

E. YANMAZ ADAM, O. K TONGUZ, H. WU & C. QİAO, Performance Of Icar Systems: A Simplified Analysis Technique, Tam Metin Bildiri, Ieee International Conference On Communications, 11 Mayıs 2003, 15 Mayıs 2003.

H. WU, S. DE, C. QIAO, E. YANMAZ ADAM & O. K TONGUZ, Queuing Delay Performance Of The Integrated Cellular And Ad Hoc Relaying System, Tam Metin Bildiri, Ieee International Conference On Communications, 11 Mayıs 2003, 15 Mayıs 2003.

O. K TONGUZ & E. YANMAZ ADAM, On The Performance Of Icar Systems With Limited Number Of Ism-band Ad Hoc Relay Channels, Tam Metin Bildiri, Global Telecommunications Conference, 2002. Globecom '02. Ieee, 17 Kasım 2002, 21 Kasım 2002.

E. YANMAZ ADAM, O. K TONGUZ, S. MISHRA, H. WU & C. QIAO, Efficient Dynamic Load Balancing Algorithms Using Icar Systems: A Generalized Framework, Tam Metin Bildiri, Ieee 56th Vehicular Technology Conference, 24 Eylül 2002, 28 Eylül 2002.

E. YANMAZ ADAM, O. K TONGUZ, S. MISHRA, H. WU & C. QIAO, Impact Of The Number Of Ism-band Ad Hoc Relay Channels On The Performance Of Icar Systems, Tam Metin Bildiri, Ieee 55th Vehicular Technology Conference. Vtc Spring, 06 Mayıs 2002, 09 Mayıs 2002.

Projeler

DİĞER, ARAŞTIRMACI, Forest Inventorying With Micro Aerial Vehicles For Autonomous Tree-parameter Estimation, Yürütülen Kuruluş: LAKESİDE LABS GMBH, Destek Alınan Kuruluş: DİE ÖSTERREICHISCHE FORSCHUNGSFÖRDERUNGSGESELLSCHAFT FFG (Yurt Dışı) , 01 Eylül 2016, 01 Mayıs 2019.

DİĞER, ARAŞTIRMACI, Adaptive Access Management For Cabin- Based Transport Systems, Yürütülen Kuruluş: LAKESİDE LABS GMBH, Destek Alınan Kuruluş: KWF ? KÄRNTNER WIRTSCHAFTSFÖRDERUNGS FONDS (Yurt Dışı) , 01 Ekim 2015, 01 Mayıs 2018.

DİĞER, ARAŞTIRMACI, Self-organizing Intelligent Network Of Uavs, Yürütülen Kuruluş: LAKESİDE LABS GMBH, Destek Alınan Kuruluş: KWF ? KÄRNTNER WIRTSCHAFTSFÖRDERUNGS FONDS (Yurt Dışı) , 01 Ocak 2013, 01 Haziran 2015.

DİĞER, ARAŞTIRMACI, Cooperative Relaying in Wireless Networks, Yürütülen Kuruluş: UNIVERSITY OF KLAGENFURT, Destek Alınan Kuruluş: KWF ? KÄRNTNER WIRTSCHAFTSFÖRDERUNGS FONDS (Yurt Dışı) , 01 Ocak 2008, 01 Nisan 2013.

DİĞER, ARAŞTIRMACI, Collaborative Microdrones (cdrones), Yürütülen Kuruluş: KWF ? KÄRNTNER WIRTSCHAFTSFÖRDERUNGS FONDS, 01 Ocak 2009, 01 Aralık 2012.

DİĞER, BURSİYER, Performance Analysis of Integrated Cellular and Ad hoc Relay Systems: iCAR, Yürütülen Kuruluş: STATE UNIVERSITY OF NEW YORK, AT BUFFALO, Destek Alınan Kuruluş: National Science Foundation (Sistemde kayıtlı olmayan kuruluş) (Yurt Dışı) , 01 Eylül 2000, 01 Ağustos 2006.

DİĞER, BURSİYER, Dynamic Load Balancing in Wireless Networks, Yürütülen Kuruluş: CARNEGIE MELLON UNIVERSITY, 01 Ocak 2002, 01 Aralık 2005.

Patentler

Method And Apparatus For Scale-free Topology Generation In Relay Based Wireless Networks, Kendi Kendine Örgütlenen Hücresel Ağlar, Patent Tescil, Uluslararası(EPC + US + JP), Başvuru No: EP2030373, 07 Nisan 2010

Yayımlar

Colloqium on Multi-UAV System for Search and Rescue , DÜZENLENEN KOLOKYUM, Ulusal, 17 Haziran 2022 - 17 Haziran 2022.

TÜBİTAK Burs ve Destekleri

Proje Bilgileri

121E408, Derin Öğrenme Ve Bilgisayarlı Görü Destekli Çoklu Arama-Kurtarma İHA Sistemi, 1001 - Araştırma, Yürütücü, Yürürlükte, ARDEB, EEEAG - Elektrik, Elektronik Ve Enformatik Araştırma Destek Grubu, Projeye Katılma/Ayrılma Tarihleri: 01.02.2022 - 01.02.2025, Proje Başlangıç/Bitiş Tarihleri: 01.02.2022 01.02.2025.