

ÖZGEÇMİŞ

1. **Adı Soyadı** : Fatih ABUT
2. **Unvanı** : Doktor Öğretim Üyesi
3. **Öğrenim Durumu** : Doktora
4. **Çalıştığı Kurum** : Çukurova Üniversitesi

5. Eğitim

Derece	Alan	Üniversite	Yıl
Lise (Abitür)	Bilişim Teknolojisi	Georg-Simon-Ohm Teknik Koleji	2005
Lisans	Bilgisayar Bilimi	Bonn-Rhein-Sieg Uygulamalı Bilimler Üniversitesi	2008
Y. Lisans	Bilgisayar Bilimi	Bonn-Rhein-Sieg Uygulamalı Bilimler Üniversitesi	2010
Doktora	Bilgisayar Bilimi	RWTH Aachen Üniversitesi	2013 (Güz & Bahar)
Doktora	Bilgisayar Mühendisliği	Çukurova Üniversitesi	2017

6. Mesleki Deneyim

Görev Unvanı	Görev Yeri	Bölüm	Yıl
Araştırma Görevlisi	Bonn-Rhein-Sieg Uygulamalı Bilimler Üniversitesi	Bilgisayar Bilimi	2010
Araştırmacı / Master Tez Öğrencisi	Fraunhofer FOKUS	Bilgisayar Ağları ve Haberleşme	2010
Araştırmacı	Fraunhofer FKIE	İletişim Sistemleri	2014
Araştırmacı / Doktora Tez Öğrencisi	Çukurova Üniversitesi	Bilgisayar Mühendisliği	2015
Araştırmacı	TÜBİTAK SAGE	Yazılım Birimi	2017
Araştırmacı Doktor	TÜBİTAK SAGE	Yazılım Birimi	2017
Doktor Öğretim Üyesi	Adana Alparslan Türkeş Bilim ve Teknoloji Üniversitesi (ATÜ)	Bilgisayar Mühendisliği	2020
Doktor Öğretim Üyesi	Çukurova Üniversitesi	Bilgisayar Mühendisliği	Devam

7. Projeler

ATÜ bünyesinde dahil olunan araştırma ve sosyal destek projeleri;

- “Küçük Mucitler, Büyük İcatlar”
Proje Koordinatörü, Haziran 2018 – Temmuz 2019
Kalkınma Bakanlığı Destekli Sosyal Destek Programı (SODES) Projesi

- **IP Tabanlı Yüksek Hızlı Ağlarda Geri Beslemeli Maksimum Veri Transfer Hızı Tahmini**
Proje Yürütücüsü, Mayıs 2018 – Ağustos 2019
Bireysel Bilimsel Araştırma Projesi

TÜBİTAK SAGE bünyesinde dahil olunan araştırma projeleri;

- **SOM-J (Stand-Off Missile / Network Enabled Weapons)**
Araştırmacı, Eylül 2015 - Ekim 2017
Milli Savunma Bakanlığı Destekli Ulusal Proje
- **KEMENT (Data Link Network Design and Implementation)**
Araştırmacı, Mayıs 2016 - Ekim 2017
Milli Savunma Bakanlığı Destekli Ulusal Proje

Çukurova Üniversitesi bünyesinde dahil olunan araştırma projeleri;

- **3G/UMTS Ağlarında Trafik Yoğunluğunun İstatistik ve Makine Öğrenme Yöntemleri ile Zaman Serisi Tahmini**
Araştırmacı, Şubat 2016 – Nisan 2017
TÜBİTAK TEYDEB Destekli Ar-Ge Projesi
- **Nitelik Seçme ile Birleştirilmiş Farklı Makine Öğrenme Yöntemleri ile VO₂max Tahmini İçin Yeni Hibrit Modellerin Geliştirilmesi**
Araştırmacı, Şubat 2014 - Mart 2017
Lisansüstü Bilimsel Araştırma Projesi
- **Ülkemiz Sporcuları için Yapay Zeka ve İstatistiksel Yöntemler Kullanılarak Maksimum Oksijen Tüketimi (VO₂max) Tahmin Modellerinin Geliştirilmesi**
Araştırmacı, Şubat 2016 – Eylül 2017
Bilimsel Araştırma Projesi (Gazi Üniversitesi ile ortak proje)

Fraunhofer FKIE bünyesinde dahil olunan araştırma projeleri;

- **Protected Core Networking - Concepts & Challenges**
Araştırmacı, Mayıs 2013 – Eylül 2013
NATO Projesi
- **Community Networks Testbed for the Future Internet (CONFINE)**
Araştırmacı, Mart 2012 - Şubat 2014
Avrupa Birliği Projesi
- **Coalition Networks for Secure Information Sharing (CoNSIS)**
Araştırmacı, Haziran 2011 - Şubat 2014
Uluslararası Proje

Bonn-Rhein-Sieg Üniversitesi bünyesinde dahil olunan araştırma projeleri;

- **Passive Measurement of End-to-End Round Trip Times in TCP Connections**
Araştırma Görevlisi, Nisan 2009 - Ağustos 2010
Bilimsel Araştırma Projesi

- **Formal Modeling and Automated Verification of Cryptographic Internet Protocols**
Araştırma Görevlisi, Nisan 2009 - Ağustos 2010
Bilimsel Araştırma Projesi

8. Yayınlar

8.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI, SCI-Expanded, SSCI and AHCI)

1. **F. Abut**, M.F. Akay, J. George. A Robust Ensemble Feature Selector Based on Rank Aggregation for Developing New VO₂max Prediction Models Using Support Vector Machines. TÜBİTAK Turkish Journal of Electrical Engineering and Computer Sciences, vol. 27, no. 5, pp. 3648-3664, Sep. 2019.
2. **F. Abut**. A Distributed Measurement Architecture For Inferring TCP Round-Trip Times Through Passive Measurements. TÜBİTAK Turkish Journal of Electrical Engineering and Computer Sciences, vol. 29, pp. 2106-2120, May 2019.
3. M. F. Akay, **F. Abut**, E. Çetin, I. Yarim, E. Sow. "Support Vector Machines for Predicting the Hamstring and Quadriceps Muscle Strength of College-Aged Athletes". TÜBİTAK Turkish Journal of Electrical Engineering and Computer Science, vol. 25, pp. 2567-2582, Aug. 2017.
4. **F. Abut**, M. F. Akay, J. George. "Developing New VO₂max Prediction Models from Maximal, Submaximal and Questionnaire Variables Using Support Vector Machines Combined with Feature Selection". ELSEVIER Computers in Biology and Medicine, vol. 79, pp. 182-192, Dec. 2016.
5. M. F. Akay, **F. Abut**, M. Özciloglu, D. Heil. "Identifying the Discriminative Predictors of Upper Body Power of Cross-Country Skiers Using Support Vector Machines Combined with Feature Selection". SPRINGER Neural Computing and Applications, vol. 27, no. 6, pp. 1785-1796, Aug. 2016.
6. M. F. Akay, **F. Abut**, S. Daneshvar, D. Heil. "Prediction of Upper Body Power of Cross-Country Skiers using Support Vector Machines". SPRINGER Arabian Journal for Science and Engineering, vol. 40, no. 4, pp. 1045-1055, Apr. 2015.
7. M. F. Akay, C. I. Aci, **F. Abut**. "Predicting the Performance Measures of a 2-Dimensional Message Passing Multiprocessor Architecture by Using Machine Learning Methods". Neural Network World, vol. 25, no. 3, pp. 241-265, March 2015.

8.2. Uluslararası hakemli dergilerde yayınlanan makaleler (Diğer Alan Endeksleri)

1. A. K. Demir, **F. Abut**. "Data-Driven Modelling and Prediction of CoAP Throughput in a Grid Network Topology". El-Cezeri Journal of Science and Engineering, vol. 7, no. 1, pp. 295-303, Jan. 2020.
2. **F. Abut**. User-level Performance Evaluation of VoIP under Different Background TCP Traffic Conditions in ns-2. European Journal of Science and Technology, vol. 16, pp. 638-645, Aug. 2019.
3. A. K. Demir, **F. Abut**. "Comparison of CoAP and CoCoA Congestion Control Mechanisms in Grid Network Topologies". Gümüşhane University Journal of Science and Technology Institute, pp. 53-60, Dec. 2018.

4. **F. Abut**. "Through the Diversity of Bandwidth-Related Metrics, Estimation Techniques and Tools: An Overview". Intl. Journal of Computer Network and Information Security, vol. 10, no. 8, pp. 1-16, Aug. 2018.
5. **F. Abut**, M. Leischner. "An Experimental Evaluation of Tools for Estimating Bandwidth-Related Metrics". Intl. Journal of Computer Network and Information Security, vol. 10, no. 7, pp. 1-11, July 2018.
6. **F. Abut**, M. C. Yüksel, M. F. Akay, S. Daneshvar. "Predicting Student's Pass/Fail Status in an Academic Course Using Deep Learning: A Case Study". Intl. Journal of Scientific Research in Information Systems and Engineering, vol. 4, no. 1, pp. 87-91, June 2018.
7. M.C. Yüksel, **F. Abut**, M.F. Akay. "A Survey on Applications of Statistical and Machine Learning Methods in Sport Physiology". Austin Sports Med., vol. 2, no. 3, pp. 1022-1027, Dec. 2017.
8. M. F. Akay, **F. Abut**, K. Kaya, E. Çetin, I. Yarim. "New Regression Equations for Estimating the Maximal Oxygen Uptake of College of Physical Education and Sports Students in Turkey". New Trends and Issues Proceedings on Humanities and Social Sciences, vol. 3, pp. 11-17, Mar. 2017.
9. Y. Yur, M. F. Akay, **F. Abut**. "Short Term Voice Traffic Forecast in 3G/UMTS Networks using Machine Learning and Statistical Methods". Intl. Journal of Advances in Electronics and Computer Science, vol. 3, no. 10, pp. 108-111, Nov. 2016.
10. **F. Abut**, M. F. Akay, J. D. George. "Support Vector Machines with Individual Combinations of Relief-F and mRMR for Predicting VO₂max from Maximal and Questionnaire Data". Intl. Journal of Advances in Electronics and Computer Science, vol. 3, no. 10, pp. 63-67, Nov. 2016.
11. B. Sow, M. F. Akay, **F. Abut**, E. Cetin, I. Yarim, H. Alak. "New Regression Models for Predicting the Hamstring Muscle Strength Using Support Vector Machines". Çukurova University Journal of the Faculty of Engineering and Architecture, vol. 31, no. 2, pp. 153-159, Oct. 2016.
12. **F. Abut**, M. F. Akay. "Machine Learning and Statistical Methods for the Prediction of Maximal Oxygen Uptake: Recent Advances". Medical Devices: Evidence and Research Journal, vol. 8, pp. 369-379, Aug. 2015.
13. **F. Abut**. "Towards a Generic Classification and Evaluation Scheme for Bandwidth Measurement Tools". Signals and Telecommunications Journal, vol. 1, no. 2, pp. 78-88, Oct. 2012.

8.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan tam metin bildiriler

1. **F. Abut**. "On Active Estimation of End-to-End Capacity: A Comparison". In Proc. of Intl. Conference on Life and Engineering Sciences (ICOLES'18), Girne, Cyprus, Sep. 2018, pp. 37-41.
2. A. K. Demir, **F. Abut**. "Data-Driven Modelling and Prediction of CoAP Throughput in a Grid Network Topology". In Proc. of Cilicia Intl. Symposium on Engineering and Technology (CISSET'18), Mersin, Turkey, Oct. 2018, pp. 69-73.
3. **F. Abut**, M. C. Yüksel, M. F. Akay, S. Daneshvar. "Predicting Student's Pass/Fail Status in an Academic Course Using Deep Learning: A Case Study". In Proc. of Intl. Symposium on

Engineering, Artificial Intelligence Applications (ISEAIA'17), Girne, North Cyprus, 2017, Girne, Cyprus, Oct. 2017, pp. 189-194.

4. **F. Abut**, M. F. Akay, S. Daneshvar, D. Heil. "Artificial Neural Networks for Predicting the Racing Time of Cross-Country Skiers from Survey-Based Data". In Proc. of 9th IEEE Intl. Conference on Computational Intelligence and Communication Networks (CICN'17), Girne, Cyprus, 16-17 Sep. 2017, pp. 71–75.
5. M. F. Akay, M. C. Yüksel, **F. Abut**, F. M. Taş, J. George. "Predicting the Maximum Endurance Time for Left-Side Bridge Exercise Using Machine Learning Methods and Hybrid Data". In Proc. of 9th IEEE Intl. Conference on Computational Intelligence and Communication Networks (CICN'17), Girne, Cyprus, 16-17 Sep. 2017, pp. 96–100.
6. **F. Abut**, M. F. Akay, J. George. "Support Vector Machines with Individual Combinations of Relief-F and mRMR for Predicting VO₂max from Maximal and Questionnaire Data". In Proc. of Intl. Conference on Artificial Intelligence and Soft Computing (ICAISC'16), Barcelona, Spain, 18-19 Aug. 2016, pp. 9-13.
7. Y. Yur, M. F. Akay, **F. Abut**. "Short Term Voice Traffic Forecast in 3G/UMTS Networks using Machine Learning and Statistical Methods". In Proc. of Intl. Conference on Artificial Intelligence and Soft Computing (ICAISC'16), Barcelona, Spain, 18-19 Aug. 2016, pp. 19-22.
8. **F. Abut**, M. F. Akay. "Predicting the Resonant Frequency and Q-Factor of Cylindrical Dielectric Resonators with Whispering Gallery Modes Using Tree-Structured Regression Methods". In Proc. of Intl. Conference on Natural Science and Engineering (ICNASE'16), Kilis, Turkey, 19-20 Mar. 2016, pp. 170-176.
9. **F. Abut**, M. F. Akay, J. D. George. "Development of New Hybrid Models for Prediction of Maximal Oxygen Uptake Using Machine Learning Methods Combined with Feature Selection". In Proc. of the Intl. Symposium on Sport Science, Engineering and Technology (ISSSET'15), Istanbul, 2015, pp. 163-170.
10. **F. Abut**, E. Genc, M. F. Akay, J. D. George. "Investigating the Effects of Body Mass Index and Location Variables on the Prediction of Maximal Oxygen Uptake Using Support Vector Machines". In Proc. of the Intl. Symposium on Sport Science, Engineering and Technology (ISSSET'15), Istanbul, 2015, pp. 54-61.
11. **F. Abut**, M. F. Akay, I. Turhan, G. Özsert. "Performance Evaluation of Different Classifiers to Predict the Admission Decision of a Candidate to the School of Physical Education and Sports at Cukurova University". In Proc. of the Intl. Symposium on Sport Science, Engineering and Technology (ISSSET'15), Istanbul, 2015, pp. 178-184.
12. M. Özciloglu, **F. Abut**, M. F. Akay, D. Heil. "Feature Selection for Prediction of Upper Body Power of Cross-Country Skiers Using Different Machine Learning Methods". In Proc. of the Intl. Symposium on Sport Science, Engineering and Technology (ISSSET'15), Istanbul, 2015, pp. 82-89.
13. **F. Abut**, D. Dennisen, D. Gläsel, J. Bogenfeld, I. Aktas, K. Wehrle, P. Sevenich. "Using Cross-Layer Design to detect Jamming Attacks in the CoNSIS Scenario". In Proc. of the Military Communications and Information Systems Conference (MCC'13), Saint-Malo, France, Oct. 8-9, 2013, pp. 563-576.
14. Barz, A. Diefenbach, **F. Abut**, M. Wilmes, P. Sevenich, P. Simon, N. Bret. "The CoNSIS Approaches to Network Management and Monitoring". In Proc. of the IEEE Military Communications and Information Systems Conference (MCC'12), Gdansk, Poland, Oct. 8-9 2012, pp. 161-178.

8.4. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan tam metin bildiriler

1. **F. Abut**, M. F. Akay. "Kros Kayakçılarda Maksimum Oksijen Tüketimine Etki Eden Değişkenlerin Makine Öğrenme ve Nitelik Seçme Algoritmalarıyla Belirlenmesi". In Proc. of 23rd IEEE Signal Processing and Communications Applications Conference (SIU'15), Malatya, May 2015, pp. 60-63.
2. S. Daneshvar, **F. Abut**, I. Yıldız, M. F. Akay. "Farklı Makine Öğrenme Yöntemleri ile Kros Kayakçılar için Yeni Üst Vücut Gücü Tahmin Modellerinin Geliştirilmesi". In Proc. of 23rd IEEE Signal Processing and Communications Applications Conference (SIU'15), Malatya, May 2015, pp. 164-167.
3. M. F. Akay, **F. Abut**, C. I. Aci, I. Yıldız. "Predicting the Processor and Channel Utilization of a 2-Dimensional Multiprocessor Architecture by Using Support Vector Regression Combined with Feature Selection". In Proc. of the 8th Engineering and Technology Symposium (ETS'15), Ankara, May 2015, pp. 395-399.
4. **F. Abut**, M. F. Akay, I. Yıldız, J. D. George. "Performance Comparison of Different Machine Learning Methods for Prediction of Maximal Oxygen Uptake from Submaximal Data". In Proc. of the 8th Engineering and Technology Symposium (ETS'15), Ankara, May 2015, pp. 367-370.

8.5. Diğer yayınlar (Poster)

1. Aktas, **F. Abut**, P. Sevenich, K. Wehrle. "Cross-Layer-Koordination zur Erkennung und Behandlung von Jamming-Angriffen". Poster Sunumu, F&T Tag, Fraunhofer FKIE, Wachtberg, Almanya.

9. Katıldığı Bilimsel Kongre / Sempozyum ve Bilimsel Toplantılar

- International Symposium on Engineering, Artificial Intelligence and Applications, Kyrenia, North Cyprus, 6-8 March 2019
- International Conference on Computational Mathematics and Engineering Sciences, Kyrenia, North Cyprus, 4-6 May 2018
- IEEE International Conference on Computational Intelligence and Communication Networks, Kyrenia, North Cyprus, 16-17 Sep. 2017
- SOM-J Project Meeting, TÜBİTAK SAGE, Kocaeli, Turkey, 3-6 May 2017
- International Data Link Symposium, Maastricht, Netherland, 1-5 Nov. 2016
- International Conference on Natural Science and Engineering, Kilis, Turkey, 18-19 March 2016
- International Symposium on Engineering, Artificial Intelligence and Applications, Kyrenia, North Cyprus, 4-6 Nov. 2015
- International Symposium on Sport Science, Engineering and Technology, Istanbul, Turkey, 10-13 May 2015
- IEEE Signal Processing and Communications Applications Conference, Malatya, Turkey, 16-19 May 2015
- International Symposium on Engineering, Artificial Intelligence and Applications, Kyrenia, North Cyprus, 5-7 Nov. 2014

- IEEE Military Communications and Information Systems Conference, Saint-Malo, France, 6-10 Oct. 2013
- CoNSIS Project Meeting, Fraunhofer FKIE, Wachtberg, Germany, 5-7 Feb. 2013
- IEEE Military Communications and Information Systems Conference, Gdansk, Poland, 8-9 Oct. 2012
- CoNSIS Project Meeting, Fraunhofer FKIE, Greding, Germany, 16-21 July 2012
- CoNSIS Project Meeting, Fraunhofer FKIE, Munich, Germany, 22-27 Apr. 2012
- CoNSIS Project Meeting, Fraunhofer FKIE, Pertuis, France, 11-16 Sep. 2011

10. Yabancı Diller

- İngilizce
 - ÖSYM YDS 2019: 90.00/100
 - ÖSYM YÖKDİL 2019 (Fen Bilimleri): 93.75/100
- Almanca
 - ÖSYM YDS 2018: 95.00/100
 - ÖSYM ÜDS 2012 (Fen Bilimleri): 97.50/100
- Fransızca (Temel düzeyde)

11. Bilimsel Hakemlikler

- IEEE Network Magazine (1 time)
- Turkish Journal of Electrical Engineering and Computer Sciences (3 times)
- The Journal of Network and Computer Applications (1 time)
- International Journal of Network Management (1 time)

12. İdari Görevler

- ATÜ Sosyal Destek (SODES) Koordinatörlüğü, Koordinatör, Mayıs 2018 – Haziran 2019
- ATÜ Bilim Merkezi Kurulması Çalışmaları Komisyonu, Üye, Şubat 2019 – Mart 2020

13. Ödüller

- Ph.D. graduation in Computer Engineering with excellence (three years)
Çukurova Üniversitesi, 2017
- M.Sc. graduation in Computer Science with excellence
Bilgisayar Bilimi, Bonn-Rhein-Sieg Uygulamalı Bilimler Üniversitesi, 2010
- Lisans onur derecesi ile mezuniyet
Bilgisayar Bilimi, Bonn-Rhein-Sieg Uygulamalı Bilimler Üniversitesi, 2008
- Lise sınıf birinciliği (başka bir öğrenci ile birlikte)
Georg-Simon-Ohm Teknik Koleji, Köln, Almanya, 2005

14. Lisans ve Lisansüstü Düzeyde Verilen Dersler

Dersler	Öğrenim Dili	Ders Saati
2019-2020		
Lisans		
CEN221 Web Design and Programming	İngilizce	3
CEN221 Web Design and Programming - Lab	İngilizce	2
CEN451 Graduation Project	İngilizce	2
Yüksek Lisans		
EEE7174 Network Management and Administration	İngilizce	3
2018-2019		
Lisans		
CEN322 Network Programming	İngilizce	3
CEN417 Network Security	İngilizce	3
CEN304 Computer Networks	İngilizce	3
CEN303 Software Engineering	İngilizce	3
CEN221 Web Design and Programming	İngilizce	3
CEN221 Web Design and Programming - Lab	İngilizce	2
Yüksek Lisans		
CSEC7004 Network Security	İngilizce	3
SG7002 Ağ Güvenliği	Türkçe	3
EEE706 Higher Layer Network Protocols	İngilizce	3
2017-2018		
Lisans		
MIS105 Introduction to Algorithms and Programming	İngilizce	3
MIS209 Object-oriented Programming	İngilizce	3
MIS301 Software Engineering	İngilizce	3
CE106 Introduction to Programming	İngilizce	3

15. Sertifikalar

- Operational Efficiencies of Multi-Link Capabilities
Certified by Atheniem, Maastricht, Netherland, 1 Nov. 2016 (1 gün)
- ISO/IEC 12207 - Systems and software engineering / Software life cycle processes
Certified by NITELIK Software Consultancy, Ankara, Turkey, 28. - 30. Dec. 2015 (3 gün)
- IPv6 Deployment on Internet Service Providers Networks - Strategies for the Migration
Certified by ExperTeach Networking, Wachtberg, Germany, 23. - 26. Oct. 2012 (4 gün)

- Cisco Certified Network Associate (CCNA) Training Series 1, 2, 3 and 4
 - CCNA 1 - Networking Basics
 - CCNA 2 - Router and Routing Essentials
 - CCNA 3 - Switching and Intermediate Routing
 - CCNA 4 - WAN Technologies
- Certified by Bonn-Rhein-Sieg University of Applied Sciences, Sep. 2007 - Oct. 2009 (4 dönem)