

## Doç. Dr. FATİH ABUT

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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### Eğitim Bilgileri

Doktora, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Türkiye 2014 - 2017

Doktora, Rheinisch-Westfaelische Technische Hochschule Aachen, Bilgisayar Bilimi, Almanya 2013 - 2014

Yüksek Lisans, Fachhochschule Bonn Rhein Sieg, Bilgisayar Bilimi, Almanya 2008 - 2010

Lisans, Fachhochschule Bonn Rhein Sieg, Bilgisayar Bilimi, Almanya 2005 - 2008

### Yabancı Diller

Almanca, C2 Ustalık

İngilizce, C1 İleri

### Sertifika, Kurs ve Eğitimler

Bilişim, Operational Efficiencies of Multi-Link Capabilities, Atheniem Ltd., 2016

Bilişim, ISO/IEC 12207 - Systems and software engineering / Software life cycle processes, NITELIK Software Consultancy, 2015

Bilişim, IPv6 Deployment on Internet Service Providers Networks - Strategies for the Migration, ExperTeach Networking GmbH, 2012

Bilişim, Cisco Certified Network Associate (CCNA) Training Series 1, 2, 3 and 4, Fachhochschule Bonn Rhein Sieg, 2007

### Yaptığı Tezler

Doktora, Development of new hybrid models for prediction of VO2max using machine learning methods combined with feature selection algorithms, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2017

Yüksek Lisans, Messen von Internet-Bandbreite: Metriken, Methoden und Tools, Fachhochschule Bonn Rhein Sieg, Bilgisayar Bilimi, 2010

### Araştırma Alanları

Kablosuz İletişim, Bilgi Güvenliği ve Güvenilirliği, Bilgisayar Ağları, Haberleşme ve Ağ Protokolleri , Veri Yönlendirme, Ağ Mimarisi , Yapay Zeka, Bilgisayarda Öğrenme ve Örüntü Tanıma

## **Akademik Unvanlar / Görevler**

Doç. Dr., Çukurova Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2021 - Devam Ediyor

Dr. Öğr. Üyesi, Çukurova Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2020 - 2021

Dr. Öğr. Üyesi, Adana Alparslan Türkeş Bilim Ve Teknoloji Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2017 - 2020

Araştırma Görevlisi, Fachhochschule Bonn Rhein Sieg, Bilgisayar Bilimi, 2009 - 2010

## **Akademik İdari Deneyim**

Bölüm Başkan Yardımcısı, Çukurova Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2020 - Devam Ediyor

Koordinatör, Adana Bilim Ve Teknoloji Üniversitesi, Rektörlük, Sosyal Destek (SODES) Programı Koordinatörlüğü, 2018 - 2020

## **Verdiği Dersler**

Network Management and Administration, Lisans, 2021 - 2022

Cyber Security, Lisans, 2021 - 2022

Algorithms, Lisans, 2021 - 2022

Internet Communication, Lisans, 2021 - 2022

Network Management and Administration, Yüksek Lisans, 2019 - 2020

Network Security, Yüksek Lisans, 2018 - 2019

Network Security, Lisans, 2018 - 2019

Network Programming, Lisans, 2018 - 2019

Graduation Project, Lisans, 2019 - 2020

Web Design and Programming, Lisans, 2019 - 2020

Ağ Güvenliği, Yüksek Lisans, 2018 - 2019

Software Engineering, Lisans, 2018 - 2019

Computer Networks, Lisans, 2018 - 2019

Introduction to Programming, Lisans, 2017 - 2018

Higher Layer Network Protocols, Yüksek Lisans, 2018 - 2019

Object-oriented Programming, Lisans, 2017 - 2018

Software Engineering, Lisans, 2017 - 2018

Introduction to Algorithms and Programming, Lisans, 2017 - 2018

## **Yönetilen Tezler**

Abut F., Anomaly-Based Intrusion Detection Using Machine Learning Methods, Yüksek Lisans, Ş.OSMAN(Öğrenci), Devam Ediyor

Abut F., Shellcode Attack Detection from Network Traffic Data Using Machine Learning Methods, Yüksek Lisans, İ.ALKANATRI(Öğrenci), Devam Ediyor

Abut F., Detecting Cardiovascular Disease Using Machine Learning Methods, Yüksek Lisans, M.ELSELLUM(Öğrenci), Devam Ediyor

Abut F., Predicting COVID-19 Infection Using Machine Learning and Feature Selection Methods, Yüksek Lisans, U.Ahmet(Öğrenci), 2022

## Jüri Üyelikleri

Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Adana Bilim Ve Teknoloji Üniversitesi, Mayıs, 2019  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Çukurova Üniversitesi, Temmuz, 2018  
Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Çukurova Üniversitesi, Haziran, 2018

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Development of New Electricity System Marginal Price Forecasting Models Using Statistical and Artificial Intelligence Methods**  
Kızıldağ M., ABUT F., AKAY M. F.  
Applied Sciences (Switzerland), cilt.14, sa.21, 2024 (SCI-Expanded)
- II. **Harnessing AI for Health: Optimized Neural Network Models for Resting Metabolic Rate Prediction**  
ABUT F., Akca E., Fatih Akay M., Irmak M., Irmak M., Adiguzel Y.  
IEEE Access, 2024 (SCI-Expanded)
- III. **Non-exercise-based racing time prediction of cross-country skiers using machine learning methods combined with Relief-F feature selection**  
Abut F., Akay M., Daneshvar S., Özcan A., Heil D.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS. PART P, JOURNAL OF SPORTS ENGINEERING AND TECHNOLOGY, cilt.0, sa.0, ss.1-14, 2023 (SCI-Expanded)
- IV. **Development of a Neural Network Algorithm for Estimating the Makespan in Jobshop Production Scheduling**  
Yıldız İ., Saygın A., Çolak S., Abut F.  
TEHNICKI GLASNIK-TECHNICAL JOURNAL, cilt.40, sa.4, ss.1257-1264, 2023 (SCI-Expanded)
- V. **mlCoCoA: a machine learning-based congestion control for CoAP**  
Demir A. K., ABUT F.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.28, sa.5, ss.2863-2882, 2020 (SCI-Expanded)
- VI. **FACEST: feedback-assisted estimation of end-to-end capacity in IP-based communication networks**  
ABUT F.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.28, sa.4, ss.1803-1823, 2020 (SCI-Expanded)
- VII. **A robust ensemble feature selector based on rank aggregation for developing new VO(2)max prediction models using support vector machines**  
Abut F., AKAY M. F., George J.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.27, sa.5, ss.3648-3664, 2019 (SCI-Expanded)
- VIII. **A distributed measurement architecture for inferring TCP round-trip times through passive measurements**  
Abut F.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.27, sa.3, ss.2106-2120, 2019 (SCI-Expanded)
- IX. **Support vector machines for predicting the hamstring and quadriceps muscle strength of college-aged athletes**  
AKAY M. F., Abut F., Cetin E., Yarim I., Sow B.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.25, sa.4, ss.2567-2582, 2017 (SCI-Expanded)
- X. **Developing new VO(2)max prediction models from maximal, submaximal and questionnaire variables using support vector machines combined with feature selection**  
Abut F., AKAY M. F., George J.

COMPUTERS IN BIOLOGY AND MEDICINE, cilt.79, ss.182-192, 2016 (SCI-Expanded)

- XI. **Identifying the discriminative predictors of upper body power of cross-country skiers using support vector machines combined with feature selection**  
AKAY M. F., Abut F., Ozciloglu M., Heil D.  
NEURAL COMPUTING & APPLICATIONS, cilt.27, sa.6, ss.1785-1796, 2016 (SCI-Expanded)
- XII. **Prediction of Upper Body Power of Cross-Country Skiers Using Support Vector Machines**  
AKAY M. F., Abut F., Daneshvar S., Heil D.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.40, sa.4, ss.1045-1055, 2015 (SCI-Expanded)
- XIII. **PREDICTING THE PERFORMANCE MEASURES OF A 2-DIMENSIONAL MESSAGE PASSING MULTIPROCESSOR ARCHITECTURE BY USING MACHINE LEARNING METHODS**  
AKAY M. F., Acı Ç., Abut F.  
NEURAL NETWORK WORLD, cilt.25, sa.3, ss.241-265, 2015 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **SOBE: A Fraud Detection Platform in Insurance Industry**  
Özcan H. O., Çolak İ., Erimhan S., Güneş V., Akay M. F., Abut F.  
Kocaeli Journal of Science and Engineering, cilt.0, sa.0, ss.1-7, 2022 (Hakemli Dergi)
- II. **Brand Propensity Prediction with Click-Through Rate as a Target**  
Uzel A., Pekel K., Akay M. F., Abut F.  
Kocaeli Journal of Science and Engineering, cilt.0, sa.0, ss.1-6, 2022 (Hakemli Dergi)
- III. **Predicting COVID-19 Infection Using Machine Learning Methods Combined with Feature Selection**  
Çetin U. A., Abut F.  
Avrupa Bilim ve Teknoloji Dergisi, cilt.37, ss.52-58, 2022 (Hakemli Dergi)
- IV. **Forecasting Call Center Arrivals Using XGBoost Combined with Consecutive and Periodic Lookback**  
Tartuk M., Nurdağ T. F., Acar V., Erdem S., Akay M. F., Abut F.  
Eastern Anatolian Journal of Science, cilt.8, sa.1, ss.20-25, 2022 (Hakemli Dergi)
- V. **Assessing household damages using multi-model deep learning pipeline**  
Kıyıkçı F., Cunedioğlu H. O., Koşar E., Bekin M. E., Abut F., Akay M. F.  
European Mechanical Science, cilt.6, sa.2, ss.138-142, 2022 (Hakemli Dergi)
- VI. **A Survey of Recent Studies on COVID-19 Outbreak Prediction Using Statistical and Machine Learning Methods**  
Çetin U. ,, Abut F.  
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, cilt.11, sa.3, ss.484-495, 2022 (Hakemli Dergi)
- VII. **Developing an Automation System for Conflictual Returns Using Machine Learning**  
KILIÇ E. M., ALP M. N., TUNÇ A. A., ABUT F., AKAY M. F.  
Cukurova University Journal of Natural and Applied Sciences, 2022 (Hakemli Dergi)
- VIII. **Türkiye'de Mutluluk Düzeyini Etkileyen Faktörlerin Makine Öğrenme ve Nitelik Seçme Algoritmaları ile Belirlenmesi**  
Yıldız İ., Abut F.  
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, cilt.11, sa.1, ss.1-9, 2022 (Hakemli Dergi)
- IX. **Developing Turkish sentiment analysis models using machine learning and e-commerce data**  
DEMIRCAN M., SELLER A., ABUT F., AKAY M. F.  
International Journal of Cognitive Computing in Engineering, cilt.2, ss.202-207, 2021 (Scopus)
- X. **C-Scripter: A Dynamic Call Center Scripting Application**  
TARTUK M., NURDAĞ T. F., ABUT F., AKAY M. F., ERDEM S.  
Eastern Anatolian Journal of Science, cilt.7, sa.1, ss.1-5, 2021 (Hakemli Dergi)
- XI. **Autonomous Navigation in Search and Rescue Simulated Environment using Deep Reinforcement Learning**  
ABDAH M., ABUT F., AKAY M. F.

- Balkan Journal of Electrical and Computer Engineering, cilt.9, sa.2, ss.92-98, 2021 (Hakemli Dergi)
- XII. **Data-Driven Modelling and Prediction of CoAP Throughput in a Grid Network Topology**  
Demir A. K., Abut F.  
El-Cezeri Fen ve Mühendislik Dergisi, cilt.7, sa.1, ss.295-303, 2020 (Scopus)
- XIII. **User-level Performance Evaluation of VoIP under Different Background TCP Traffic Conditions in ns-2**  
ABUT F.  
European Journal of Science and Technology, cilt.16, ss.638-645, 2019 (Hakemli Dergi)
- XIV. **Comparison of CoAP and CoCoA Congestion Control Mechanisms in Grid Network Topologies**  
DEMİR A. K., ABUT F.  
Gümüşhane University Journal of Science and Technology Institute, ss.53-60, 2018 (Hakemli Dergi)
- XV. **Through the Diversity of Bandwidth-Related Metrics, Estimation Techniques and Tools: An Overview**  
Abut F.  
International Journal of Computer Network and Information Security, cilt.10, sa.8, ss.1-16, 2018 (Scopus)
- XVI. **An Experimental Evaluation of Tools for Estimating Bandwidth-Related Metrics**  
Abut F., Leischner M.  
International Journal of Computer Network and Information Security, cilt.10, sa.8, ss.1-11, 2018 (Scopus)
- XVII. **Predicting Student's Pass/Fail Status in an Academic Course Using Deep Learning: A Case Study**  
ABUT F., YÜKSEL M. C., AKAY M. F., DANESHVAR S.  
International Journal of Scientific Research in Information Systems and Engineering, cilt.4, sa.1, ss.87-91, 2018 (Hakemli Dergi)
- XVIII. **New Regression Equations for Estimating the Maximal Oxygen Uptake of College of Physical Education and Sports Students in Turkey**  
AKAY M. F., ABUT F., KAYA K., ÇETİN E., YARIM İ.  
New Trends and Issues Proceedings on Humanities and Social Sciences, cilt.3, ss.11-17, 2017 (Hakemli Dergi)
- XIX. **A Survey on Applications of Statistical and Machine Learning Methods in Sport Physiology**  
YÜKSEL M. C., ABUT F., AKAY M. F.  
Austin Sports Medicine, cilt.2, sa.3, ss.1022-1027, 2017 (Hakemli Dergi)
- XX. **Support Vector Machines with Individual Combinations of Relief-F and mRMR for Predicting VO2max from Maximal and Questionnaire Data**  
ABUT F., AKAY M. F., GEORGE J.  
International Journal of Advances in Electronics and Computer Science, cilt.3, sa.10, ss.63-67, 2016 (Hakemli Dergi)
- XXI. **New Regression Models for Predicting the Hamstring Muscle Strength Using Support Vector Machines**  
BOUBACAR S., AKAY M. F., ABUT F., ÇETİN E., YARIM İ., ALAK H.  
Çukurova University Journal of the Faculty of Engineering and Architecture, cilt.31, sa.2, ss.153-159, 2016 (Hakemli Dergi)
- XXII. **Short Term Voice Traffic Forecast in 3G/UMTS Networks using Machine Learning and Statistical Methods**  
YASIN Y., AKAY M. F., ABUT F.  
International Journal of Advances in Electronics and Computer Science, cilt.3, sa.10, ss.108-111, 2016 (Hakemli Dergi)
- XXIII. **Machine learning and statistical methods for the prediction of maximal oxygen uptake: recent advances**  
Abut F., AKAY M. F.  
MEDICAL DEVICES-EVIDENCE AND RESEARCH, cilt.8, ss.369-379, 2015 (ESCI)
- XXIV. **Towards a Generic Classification and Evaluation Scheme for Bandwidth Measurement Tools**  
ABUT F.  
Signals and Telecommunication Journal, cilt.1, sa.2, ss.78-88, 2012 (Hakemli Dergi)

## Kitap & Kitap Bölümleri

- I. **Development of New Hybrid Models for Prediction of Maximal Oxygen Uptake Using Machine Learning Methods Combined with Feature Selection Algorithms**  
ABUT F.  
GRIN Verlag, Munich, 2021
- II. **Messen von Internet-Bandbreite. Metriken, Methoden und Tools**  
ABUT F.  
GRIN Verlag, Munich, 2010
- III. **Konzeption und Evaluierung einer verteilten Architektur zur passiven RTT-Messung**  
ABUT F.  
GRIN Verlag, Munich, 2008

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Development of a New Generation End-To-End Pump Cash Register System for Fuel Stations**  
Güneş T., Durmaz E., Temur H., Burtul G., Abut F., Akay M. F., Aygün M. Ş.  
The 8th International Conference on Control and Optimization with Industrial Applications, Baku, Azerbaijan, 24 - 26 Ağustos 2022, ss.1-2
- II. **A New Cash Register for Fuel Stations with Resistant Outdoor Conditions: Design Considerations**  
Güneş T., Aşçı K., Temur H., Burtul G., Abut F., Akay M. F., Aygün M. Ş.  
5th International Symposium on Innovative Approaches in Smart Technologies, Ankara, Türkiye, 28 - 29 Mayıs 2022, cilt.5, sa.1, ss.1-4
- III. **Predicting COVID-19 Infection Using Machine Learning Methods Combined with Feature Selection**  
Çetin U. A., Abut F.  
5th International Symposium on Innovative Approaches in Smart Technologies, Ankara, Türkiye, 28 - 29 Mayıs 2022, ss.38
- IV. **Machine Learning Based Churn Analysis for Sellers on the E-Commerce Marketplace**  
Öztürk M. E., Say S., Akyüz A., Erdem S., Akay M. F., Abut F.  
5th International Conference on Life and Engineering Sciences , Antalya, Türkiye, 19 - 22 Mayıs 2022, ss.127
- V. **Developing an End-to-End Integrated Secure Mobile Payment System**  
SARI A., DURMAZ E., HATUN E., GÜNEŞ T., NOMMAZ V., ABUT F., AKAY M. F., AYGÜN M. Ş.  
3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), Ankara, Türkiye, 15 Aralık 2021, ss.795-802
- VI. **Information Extraction from Policy Documents Using Object Detection and Domain-Specific BERT**  
KUZ B., KÜLLÜ Ö., ÖZTÜRK B., ABUT F., AKAY M. F.  
3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), Ankara, Türkiye, 15 Aralık 2021, ss.789-794
- VII. **Developing Customer Segmentation Models for Digital Marketing Campaigns using Machine Learning**  
BALKAYA A., TÜZÜNKAN E., AYAZ K., AKÇAY Y., ABUT F., AKAY M. F., ERDEM S.  
6th Intl. Mediterranean Science and Engineering Congress, Antalya, Türkiye, 25 Ekim 2021, ss.697-701
- VIII. **Simplifying and Speeding Up the Finding of Real Estate Listings for End-Users**  
DURAN M. A., ŞAHİN A., ERBİLGİN D., TOSUN E., ABUT F., AKAY M. F.  
6th Intl. Mediterranean Science and Engineering Congress, Antalya, Türkiye, 25 Ekim 2021, ss.657-660
- IX. **Forecasting the Average Call Handling Time in Call Centers Using Machine Learning Methods and Time Series Data**  
AKAY M. F., ABUT F., ERDEM S., ÖNDER O., TURAN M., TARTUK M., NURDAĞ T. F.  
6th Intl. Mediterranean Science and Engineering Congress, Antalya, Türkiye, 25 - 27 Ekim 2021, ss.644-646
- X. **Development of Mobile Applications for Real Estate Businesses**  
TOHUMCU D. G., ALBAYRAK B., ADIGÜZEL Y., EMRAH P., ABUT F., AKAY M. F.

- 6th Intl. Mediterranean Science and Engineering Congress, Antalya, Türkiye, 25 Ekim 2021, ss.419-423
- XI. **Improving the Shipment Management Using Shipment Approval Cockpit in the Order Process**  
ÇİFTÇİ F. G., AYSOYSAL B., ABUT F., AKAY M. F.  
6th Intl. Mediterranean Science and Engineering Congress, Antalya, Türkiye, 25 Ekim 2021, ss.652-655
- XII. **Forecasting the System Marginal Price Using Long Short-Term Memory and Support Vector Machine**  
AKAY M. F., ABUT F., BEDİR B., ERDOĞAN M., KANAR E.  
6th Intl. Mediterranean Science and Engineering Congress, Antalya, Türkiye, 25 - 27 Ekim 2021, ss.628-633
- XIII. **Improving the Order Picking Process in Warehouse Systems Using Distance Matrix**  
BAYRAKTAR E., KARACA A. R., ABUT F., AKAY M. F.  
6th Intl. Mediterranean Science and Engineering Congress, Antalya, Türkiye, 25 Ekim 2021, ss.96-101
- XIV. **Orchestra: A Warehouse Order Management System**  
GÖRÜR F., HAMARAT E., ABUT F., AKAY M. F.  
4th International Conference on Life and Engineering Sciences, İstanbul, Türkiye, 23 Eylül 2021, ss.148-154
- XV. **Designing a Modern Gateway Device for Cloud Platforms**  
KUVVET S., KILIÇ M. F., KESKİN G., GÜNERİ H. İ., ABUT F., AKAY M. F.  
4th International Conference on Life and Engineering Sciences, İstanbul, Türkiye, 23 Eylül 2021, ss.123-132
- XVI. **Orion: A Supplier Capacity Planning Model**  
GÖKAY O., AYYILDIZ Ö., ABUT F., AKAY M. F.  
4th International Conference on Life and Engineering Sciences, İstanbul, Türkiye, 23 Eylül 2021, ss.140-147
- XVII. **DBTransporter: An Interoperable Application for Transferring Data Between Databases Running on Different Machines**  
BEQIROVSKI F., KÖMÜRCÜ M. F., ABUT F., AKAY M. F.  
4th International Conference on Life and Engineering Sciences, İstanbul, Türkiye, 23 Eylül 2021, ss.164-171
- XVIII. **Loyalist365: A Loyalty Management Application**  
ALAN E., HUNUTLU F., CESUR E., KAYHAN Ö., ABUT F., AKAY M. F., ERDEM S.  
4th International Conference on Life and Engineering Sciences, İstanbul, Türkiye, 23 Eylül 2021, ss.155-163
- XIX. **Akıllı Hat: A Call Measurement and Reporting Application**  
CABBAR T., DEMİR Y., ADIGÜZEL Y., EMRAH P., ABUT F., AKAY M. F., ERDEM S.  
4th International Conference on Life and Engineering Sciences, İstanbul, Türkiye, 23 Eylül 2021, ss.172-179
- XX. **Replatforming and Online Renewal Project for Real Estate Businesses**  
GÜLEÇ S., SONAT S., ADIGÜZEL Y., EMRAH P., ABUT F., AKAY M. F., ERDEM S.  
4th International Conference on Life and Engineering Sciences, İstanbul, Türkiye, 23 Eylül 2021, ss.133-139
- XXI. **Forecasting Arrivals to a Call Center Using Supervised Machine Learning**  
AKAY M. F., ABUT F., ERDEM S., TARTUK M., NURDAĞ T. F., YURDAGÜL H. H.  
International Conference on Interdisciplinary Applications of Artificial Intelligence (ICIDAAI-2021), Yalova, Türkiye, 21 - 23 Mayıs 2021, ss.170-173
- XXII. **Developing an Identification Application for Overdress Products Using Convolutional Neural Networks**  
Keskin M., Alp N., Cebeci S. E., Beker F., ABUT F., AKAY M. F.  
International Conference on Interdisciplinary Applications of Artificial Intelligence (ICIDAAI-2021), Yalova, Türkiye, 21 - 23 Mayıs 2021, ss.166-169
- XXIII. **Fashion-Oriented Personalized Search Engine Development**  
YALIN T. B., SANLAV K., TUNÇ A. A., ABUT F., AKAY M. F.  
International Conference on Computational Mathematics and Engineering Sciences (CMES-2021), Van, Türkiye, 01 Mayıs 2021
- XXIV. **Monetary Value Ordering Heuristic Approach for Cascade Hydropower Plants Dispatching with Downstream Requirements**  
KAVAK A. F., KORKMAZ O., ÇİMEN E. B., ABUT F., AKAY M. F., ERDEM S.  
5th International Mediterranean Science and Engineering Congress (IMSEC-2020), Antalya, Türkiye, 21 - 23 Ekim 2020, ss.320-328
- XXV. **Designing a New IoT Modem with Low Power Consumption and 4G LTE Support**

KUVVET S., ABUT F., AKAY M. F., ERDEM S., KILIÇ M. F.

5th International Mediterranean Science and Engineering Congress (IMSEC-2020), Antalya, Türkiye, 21 - 23 Ekim 2020, ss.165-169

**XXVI. A Recent Survey of Studies on Wind Power Forecasting Using Statistical and Machine Learning Methods**

DEMİRKAN O., ABUT F., AKAY M. F., ERDEM S., AKAR Ö.

5th International Mediterranean Science and Engineering Congress (IMSEC-2020), Antalya, Türkiye, 21 - 23 Ekim 2020, ss.263-267

**XXVII. C-Archive: Kurumsal İçerik Yönetimi için Yeni Bir Uygulama**

UZUN O., TARTUK M., NURDAĞ F. T., ABUT F., AKAY M. F., ERDEM S.

5th International Mediterranean Science and Engineering Congress (IMSEC-2020), Antalya, Türkiye, 21 - 23 Ekim 2020, ss.140-143

**XXVIII. VIVID: A New Virtual Assistant for People with Visual Impairments**

AYANA Ö., ABUT F.

5th International Mediterranean Science and Engineering Congress (IMSEC-2020), Antalya, Türkiye, 21 - 23 Ekim 2020, ss.159-164

**XXIX. Effects of Interrupt Coalescence on Estimation of Available Bandwidth Using Single-End Active Probing**

ABUT F.

Intl. Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA-19), Girne, Kıbrıs (Kkct), 6 - 08 Mart 2019, ss.33-34

**XXX. Data-Driven Modelling and Prediction of CoAP Throughput in a Grid Network Topology**

DEMİR A. K., ABUT F.

Cilicia Intl. Symposium on Engineering and Technology (CISSET-18), Mersin, Türkiye, 24 - 27 Ekim 2018, ss.69-73

**XXXI. On Active Estimation of End-to-End Capacity: A Comparison**

ABUT F.

Intl. Conference on Life and Engineering Sciences (ICOLES-18), Girne, Kıbrıs (Kkct), 2 - 04 Eylül 2018, ss.37-42

**XXXII. An Experimental Study for Estimating End-To-End Available Bandwidth in a Controlled Testbed Environment**

ABUT F., DEMİR A. K.

Intl. Conference on Computational Mathematics and Engineering Sciences (CMES-18), Girne, Kıbrıs (Kkct), 4 - 06 Mayıs 2018, ss.142

**XXXIII. Comparison of CoAP and CoCoA Congestion Control Mechanisms in Grid Network Topologies**

DEMİR A. K., ABUT F.

Intl. Conference on Computational Mathematics and Engineering Sciences (CMES-18), Girne, Kıbrıs (Kkct), 4 - 06 Mayıs 2018, ss.141

**XXXIV. Predicting students pass/fail status in an academic course using deep learning: A case study**

ABUT F., YÜKSEL M. C., AKAY M. F., DANESHVAR S.

Intl. Symposium on Engineering, Artificial Intelligence Applications (ISEAIA-17), Girne, Kıbrıs (Kkct), 1 - 03 Kasım 2017, ss.189-194

**XXXV. Artificial Neural Networks for Predicting the Racing Time of Cross-Country Skiers From Survey-Based Data**

ABUT F., AKAY M. F., DANESHVAR S., HEIL D.

IEEE 9th International Conference on Computational Intelligence and Communication Networks (CICN-17), Girne, Kıbrıs (Kkct), 16 - 17 Eylül 2017, ss.117-121

**XXXVI. New Regression Equations for Estimating the Maximal Oxygen Uptake of College of Physical Education and Sports Students in Turkey**

AKAY M. F., Abut F., Kaya K., ÇETİN E., YARIM İ.

5th Cyprus International Conference on Educational Research (CYICER), Kyrenia, CYPRUS, 31 Mart - 02 Nisan 2016, cilt.3, ss.11-17

**XXXVII. Predicting the Maximum Endurance Time for Left-Side Bridge Exercise Using Machine Learning**



## **Methods and Hybrid Data**

AKAY M. F., YUKSEL M. C., ABUT F., TAS F. M., GEORGE J.

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### **XXXVIII. Artificial Neural Networks for Predicting the Racing Time of Cross-Country Skiers from Survey-Based Data**

Abut F., AKAY M. F., Daneshvar S., Heil D.

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### **XXXIX. Short Term Voice Traffic Forecast in 3G/UMTS Networks using Machine Learning and Statistical Methods**

YUR Y., AKAY M. F., ABUT F.

Intl. Conference on Artificial Intelligence and Soft Computing (ICAISC-16), Barcelona, İspanya, 18 - 19 Ağustos 2016, ss.19-22

### **XL. Support Vector Machines with Individual Combinations of Relief-F And mRMR for Predicting VO2max from Maximal and Questionnaire Data**

ABUT F., AKAY M. F., GEORGE J.

Intl. Conference on Artificial Intelligence and Soft Computing (ICAISC-16), Barcelona, İspanya, 17 - 18 Ağustos 2016, ss.9-13

### **XLI. New Regression Equations for Estimating the Maximal Oxygen Uptake of College of Physical Education and Sports Students in Turkey**

AKAY M. F., ÇETİN E., YARIM İ., ABUT F., KAYA K.

5th Cyprus International Conference on Educational Research, Girne, Kıbrıs (Kktc), 31 Mart - 02 Nisan 2016, ss.164

### **XLII. Predicting the Resonant Frequency and Q-Factor of Cylindrical Dielectric Resonators with Whispering Gallery Modes Using Tree-Structured Regression Methods**

ABUT F., AKAY M. F.

Intl. Conference on Natural Science and Engineering (ICNASE-16), Kilis, Türkiye, 19 - 20 Mart 2016, ss.170-176

### **XLIII. Data-driven Prediction of VO2max Based on Maximal and Submaximal Variables Using Support Vector Machines Combined with Feature Selection**

ABUT F., AKAY M. F., GEORGE J.

3rd International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA-15), Girne, Kıbrıs (Kktc), 4 - 06 Kasım 2015, ss.10-11

### **XLIV. Support Vector Machines for Prediction of Endurance Times Involving Isometric Side Bridge Exercise Test**

ABUT F., AKAY M. F., BOUBACAR S., GEORGE J.

Intl. Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA-15), Girne, Kıbrıs (Kktc), 4 - 06 Kasım 2015, ss.7-9

### **XLV. Performance Comparison of Different Machine Learning Methods for Prediction of Maximal Oxygen Uptake from Submaximal Data**

ABUT F., AKAY M. F., YILDIZ İ., GEORGE J.

8th Engineering and Technology Symposium (ETS-15), Ankara, Türkiye, 14 - 15 Mayıs 2015, ss.367-370

### **XLVI. Predicting the Processor and Channel Utilization of a 2-Dimensional Multiprocessor Architecture by Using Support Vector Regression Combined with Feature Selection**

AKAY M. F., ABUT F., ACI Ç., YILDIZ İ.

8th Engineering and Technology Symposium (ETS-15), Ankara, Türkiye, 14 - 15 Mayıs 2015, ss.395-399

### **XLVII. Feature Selection for Prediction of Upper Body Power of Cross-Country Skiers Using Different Machine Learning Methods**

ÖZÇİLOĞLU M. M., ABUT F., AKAY M. F., HEIL D.

Intl. Symposium on Sport Science, Engineering and Technology (ISSSET-15), İstanbul, Türkiye, 10 - 13 Mayıs 2015, ss.82-89

- XLVIII. Investigating the Effects of Body Mass Index and Location Variables on the Prediction of Maximal Oxygen Uptake Using Support Vector Machines**  
ABUT F., GENÇ E., AKAY M. F., GEORGE J.  
Intl. Symposium on Sport Science, Engineering and Technology (ISSSET-15), İstanbul, Türkiye, 10 - 13 Mayıs 2015, ss.54-61
- XLIX. Performance Evaluation of Different Classifiers to Predict the Admission Decision of a Candidate to the School of Physical Education and Sports at Cukurova University**  
ABUT F., AKAY M. F., TURHAN İ., ÖZSERT G.  
Intl. Symposium on Sport Science, Engineering and Technology (ISSSET-15), İstanbul, Türkiye, 10 - 13 Mayıs 2015, ss.178-184
- L. Development of New Hybrid Models for Prediction of Maximal Oxygen Uptake Using Machine Learning Methods Combined with Feature Selection**  
ABUT F., AKAY M. F., GEORGE J.  
Intl. Symposium on Sport Science, Engineering and Technology (ISSSET-15), İstanbul, Türkiye, 10 - 13 Mayıs 2015, ss.163-170
- LI. Development of New Upper Body Power Prediction Models for Cross-Country Skiers by Using Different Machine Learning Methods**  
Daneshvar S., Abut F., Yildiz I., AKAY M. F.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.260-263
- LII. Determination of the Variables Affecting the Maximal Oxygen Uptake of Cross-Country Skiers by Using Machine Learning and Feature Selection Algorithms**  
Abut F., AKAY M. F.  
23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Türkiye, 16 - 19 Mayıs 2015, ss.156-159
- LIII. Investigating the Effects of Maximum Oxygen Uptake and Maximum Heart Rate Variables on the Prediction of Upper Body Power of Cross-Country Skiers Using Support Vector Machines**  
AKAY M. F., ABUT F., ŞANLI T. E., HEIL D.  
2nd Intl. Symposium on Engineering, Artificial Intelligence and Applications, Girne, Kıbrıs (Kkct), 5 - 07 Kasım 2014, ss.8-9
- LIV. Using support vector machines to predict maximal oxygen uptake with the help of questionnaire variables**  
AKAY M. F., ABUT F., GEORGE J.  
Intl. Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA-14), Girne, Kıbrıs (Kkct), 5 - 07 Kasım 2014, ss.5-6
- LV. Using Cross-Layer Design to detect Jamming Attacks in the CoNSIS Scenario**  
Dennisen D., Abut F., Glaesel D., Bogenfeld J., Barz C., Aktas I., Wehrle K., Sevenich P.  
Military Communications and Information Systems Conference (MCC), Saint-Lo, Fransa, 7 - 09 Ekim 2013
- LVI. The CoNSIS Approaches to Network Management and Monitoring**  
BARZ C., DIEFENBACH A., ABUT F., WILMES M., SEVENICH P., SIMON P., BRET N.  
IEEE 14th Military Communications and Information Systems Conference (MCC-12), Gdansk, Polonya, 8 - 09 Ekim 2012, ss.161-178
- LVII. Towards a Generic Classification and Evaluation Scheme for Bandwidth Measurement Tools**  
ABUT F.  
IEEE International Conference on Computer-Related Knowledge, Sousse, Tunus, 5 - 07 Temmuz 2012, ss.14

## **Desteklenen Projeler**

ABUT F., Çetin U. A., Yükseköğretim Kurumları Destekli Proje, Makine Öğrenmesi ve Nitelik Seçme Yöntemleriyle COVID-19 Tahmini, 2021 - 2022

Abut F., Yükseköğretim Kurumları Destekli Proje, Mesaj Paketleme Yapılarının Dinamik Seçimi ile Link 16 Ağlarının Simülasyon Modellemesi, 2020 - 2021

Abut F., Demir A. K., Yükseköğretim Kurumları Destekli Proje, IP Tabanlı Yüksek Hızlı Ağlarda Geri Beslemeli Maksimum Veri Transfer Hızı Tahmini, 2018 - 2019

Abut F., Yıldız I., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, "Küçük Mucitler, Büyük İcatlar" Sosyal Destek (SODES) Projesi, 2017 - 2019

Akay M. F., Abut F., Çetin E., Yarım İ., Yükseköğretim Kurumları Destekli Proje, Ülkemiz Sporcuları için Yapay Zeka ve İstatistiksel Yöntemler Kullanılarak Maksimum Oksijen Tüketimi (VO2max) Tahmin Modellerinin Geliştirilmesi, 2016 - 2019

Pehlivanoglu G., Abut F., Yurtcan Y., Gökcan B., Savunma Sanayi Başkanlığı Destekli Proje, KEMENT (Data Link Network Design and Implementation), 2016 - 2017

Pehlivanoglu G., Abut F., Yurtcan Y., Savunma Sanayi Başkanlığı Destekli Proje, GEZGİN (Intercontinental Missile), 2016 - 2017

Akın B., Abut F., Yurtcan Y., Gökcan B., Savunma Sanayi Başkanlığı Destekli Proje, SOM-J (Stand-Off Missile / Network Enabled Weapons), 2015 - 2017

Sevenich P., Abut F., Barz C., NATO Destekli Araştırma Projesi, Protected Core Networking - Concepts and Challenges, 2013 - 2014

Sevenich P., Abut F., Barz C., Rogge H., Dahlberg D., AB Destekli Diğer Projeler, Community Networks Testbed for the Future Internet (CONFINE), 2012 - 2014

Sevenich P., Abut F., Barz C., Dahlberg D., Diefenbach A., Wilmes M., Diğer Ülkelerdeki Kamu Kurumları Tarafından Desteklenmiş Proje, Coalition Networks for Secure Information Sharing (CoNSIS), 2011 - 2014

## Bilimsel Hakemlikler

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, CODELAB TEKNOLOJİ VE DANIŞMANLIK ANONİM ŞİRKETİ, Türkiye, Kasım 2020

TÜBİTAK Projesi, 1501 - Sanayi Ar-Ge Projeleri Destekleme Programı, KOBİL BİLGİSAYAR ENERJİ VE ELEKTRİK SİSTEMLERİ SAN. TİC. LTD. ŞTİ., Türkiye, Kasım 2020

TÜBİTAK Projesi, 1507 - TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, NEW SENSES UZAY TEKNOLOJİ VE SAĞLIK ARAŞTIRMALARI ANONİM ŞİRKETİ, Türkiye, Mayıs 2020

IEEE NETWORK, SCI Kapsamındaki Dergi, Mayıs 2018

INTERNATIONAL JOURNAL OF NETWORK MANAGEMENT, SCI-E Kapsamındaki Dergi, Kasım 2016

JOURNAL OF NETWORK AND COMPUTER APPLICATIONS, SCI-E Kapsamındaki Dergi, Temmuz 2016

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, SCI-E Kapsamındaki Dergi, Nisan 2016

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, SCI-E Kapsamındaki Dergi, Mart 2016

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, SCI-E Kapsamındaki Dergi, Aralık 2015

## Metrikler

Yayın: 97  
Atıf (WoS): 64  
Atıf (Scopus): 100  
H-İndeks (WoS): 6  
H-İndeks (Scopus): 7

## Kongre ve Sempozyum Katılımı Faaliyetleri

International Symposium on Engineering, Artificial Intelligence and Applications, Katılımcı, Girne, Kıbrıs (Kkct), 2019

International Conference on Computational Mathematics and Engineering Sciences, Katılımcı, Girne, Kıbrıs (Kkct), 2018  
International Conference on Artificial Intelligence and Soft Computing, Katılımcı, Barcelona, İspanya, 2018  
IEEE International Conference on Computational Intelligence and Communication Networks, Katılımcı, Girne, Kıbrıs (Kkct), 2017  
SOM-J Project Meeting (TÜBİTAK SAGE), Katılımcı, Kocaeli, Türkiye, 2017  
International Data Link Symposium , Katılımcı, Maastricht, Hollanda, 2016  
International Conference on Natural Science and Engineering , Katılımcı, Kilis, Türkiye, 2016  
International Symposium on Engineering, Artificial Intelligence and Applications, Katılımcı, Girne, Kıbrıs (Kkct), 2015  
IEEE Signal Processing and Communications Applications Conference, Katılımcı, Malatya, Türkiye, 2015  
International Symposium on Sport Science, Engineering and Technology, Katılımcı, İstanbul, Türkiye, 2015  
International Symposium on Engineering, Artificial Intelligence and Applications, Katılımcı, Girne, Kıbrıs (Kkct), 2014  
IEEE Military Communications and Information Systems Conference, Katılımcı, Bretagne, Fransa, 2013  
IEEE Military Communications and Information Systems Conference, Katılımcı, Gdansk, Polonya, 2012  
CoNSIS Project Meeting (Fraunhofer FKIE), Katılımcı, Munich, Almanya, 2012  
CoNSIS Project Meeting (Fraunhofer FKIE), Katılımcı, Munich, Almanya, 2012  
CoNSIS Project Meeting (Fraunhofer FKIE), Katılımcı, Aix-En-Provence, Fransa, 2011

## Ödüller

Abut F., Ph.D. graduation in Computer Engineering with excellence (three years), Çukurova University, Mayıs 2017  
Abut F., M.Sc. graduation in Computer Science with excellence, Fachhochschule Bonn Rhein Sieg, Eylül 2010  
Abut F., Bachelor graduation in Computer Science with honours, Fachhochschule Bonn Rhein Sieg, Eylül 2008  
Abut F., Class Rank #1 (with another student) among the graduates, Georg-Simon-Ohm Technical College, Ağustos 2005

## Akademi Dışı Deneyim

Şirket, Nano Bilgisayar ve İletişim Hiz. San. ve Tic. Ltd., Tümüleşik Bulut Santral Projesi  
Şirket, Hızlı Bilişim Teknolojileri AŞ, Web Tabanlı Yeni Nesil E-Dönüşüm Portalı  
Şirket, Kent Yazılım Bilişim ve İletişim Teknolojileri San. Tic. Ltd. Şti., Bulut Tabanlı, E-Devlet Servislerine Entegreli, Yeni Nesil Belediye Otomasyon Yazılımının Geliştirilmesi  
Diğer Kamu Kurumu, TÜBİTAK Savunma Sanayii Araştırma ve Geliştirme Enstitüsü SAGE, Yazılım Birimi  
Kamu Kurumu, Fraunhofer Institute for Communication, Information Processing and Ergonomics FKIE, Department of Communication Systems