

Assoc. Prof. FATİH ABUT

Personal Information

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Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2014 - 2017

Doctorate, Rheinisch-Westfaelische Technische Hochschule Aachen, Bilgisayar Bilimi, Germany 2013 - 2014

Postgraduate, Fachhochschule Bonn Rhein Sieg, Bilgisayar Bilimi, Germany 2008 - 2010

Undergraduate, Fachhochschule Bonn Rhein Sieg, Bilgisayar Bilimi, Germany 2005 - 2008

Foreign Languages

German, C2 Mastery

English, C1 Advanced

Certificates, Courses and Trainings

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

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

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

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

Dissertations

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

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

Research Areas

Wireless Communication, Information Security and Reliability, Computer Networks, Communications and Network Protocols, Data Routing, Network Architecture, Artificial Intelligence, Computer Learning and Pattern Recognition

Academic Titles / Tasks

Associate Professor, Cukurova University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2021 - Continues
Assistant Professor, Cukurova University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2020 - 2021
Assistant Professor, Adana Science And Technology University, Faculty Of Engineering, Department Of Computer Engineering, 2017 - 2020
Research Assistant, Fachhochschule Bonn Rhein Sieg, Bilgisayar Bilimi, 2009 - 2010

Academic and Administrative Experience

Deputy Head of Department, Cukurova University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2020 - Continues
Koordinatör, Adana Science And Technology University, Rectorate, Sosyal Destek (SODES) Programı Koordinatörlüğü, 2018 - 2020

Courses

Network Management and Administration, Postgraduate, 2019 - 2020
Network Security, Postgraduate, 2018 - 2019
Network Security, Undergraduate, 2018 - 2019
Network Programming, Undergraduate, 2018 - 2019
Graduation Project, Undergraduate, 2019 - 2020
Web Design and Programming, Undergraduate, 2019 - 2020
Ağ Güvenliği, Postgraduate, 2018 - 2019
Software Engineering, Undergraduate, 2018 - 2019
Computer Networks, Undergraduate, 2018 - 2019
Introduction to Programming, Undergraduate, 2017 - 2018
Higher Layer Network Protocols, Postgraduate, 2018 - 2019
Object-oriented Programming, Undergraduate, 2017 - 2018
Software Engineering, Undergraduate, 2017 - 2018
Introduction to Algorithms and Programming, Undergraduate, 2017 - 2018

Jury Memberships

Post Graduate, Post Graduate, Adana Bilim Ve Teknoloji Üniversitesi, May, 2019
Post Graduate, Post Graduate, Çukurova Üniversitesi, July, 2018
Post Graduate, Post Graduate, Çukurova Üniversitesi, June, 2018

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **FACEST: feedback-assisted estimation of end-to-end capacity in IP-based communication networks**
ABUT F.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.28, no.4, pp.1803-1823, 2020
(Journal Indexed in SCI)
- II. **mlCoCoA: a machine learning-based congestion control for CoAP**
Demir A. K., ABUT F.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.28, no.5, pp.2863-2882, 2020
(Journal Indexed in SCI)
- III. **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, vol.27, no.5, pp.3648-3664, 2019
(Journal Indexed in SCI)

- IV. **A distributed measurement architecture for inferring TCP round-trip times through passive measurements**
Abut F.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.27, no.3, pp.2106-2120, 2019
(Journal Indexed in SCI)
- V. **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, vol.25, no.4, pp.2567-2582, 2017
(Journal Indexed in SCI)
- VI. **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, vol.79, pp.182-192, 2016 (Journal Indexed in SCI)
- VII. **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, vol.27, no.6, pp.1785-1796, 2016 (Journal Indexed in SCI)
- VIII. **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, vol.40, no.4, pp.1045-1055, 2015 (Journal Indexed in SCI)
- IX. **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, vol.25, no.3, pp.241-265, 2015 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Türkiye'de Mutluluk Düzeyini Etkileyen Faktörlerin Makine Öğrenme ve Nitelik Seçme Algoritmaları ile Belirlenmesi**
YILDIZ İ., ABUT F.
Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.11, no.1, pp.1-9, 2022 (Other Refereed National Journals)
- II. **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 (Refereed Journals of Other Institutions)
- III. **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, vol.2, pp.202-207, 2021 (Refereed Journals of Other Institutions)
- IV. **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, vol.7, no.1, pp.1-5, 2021 (Other Refereed National Journals)
- V. **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, vol.9, no.2, pp.92-98, 2021 (Other Refereed National Journals)

- VI. **Data-Driven Modelling and Prediction of CoAP Throughput in a Grid Network Topology**
Demir A. K., Abut F.
El-Cezeri Fen ve Mühendislik Dergisi, vol.7, no.1, pp.295-303, 2020 (Other Refereed National Journals)
- VII. **User-level Performance Evaluation of VoIP under Different Background TCP Traffic Conditions in ns-2**
ABUT F.
European Journal of Science and Technology, vol.16, pp.638-645, 2019 (Other Refereed National Journals)
- VIII. **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, pp.53-60, 2018 (Other Refereed National Journals)
- IX. **Through the Diversity of Bandwidth-Related Metrics, Estimation Techniques and Tools: An Overview**
Abut F.
International Journal of Computer Network and Information Security, vol.10, no.8, pp.1-16, 2018 (Refereed Journals of Other Institutions)
- X. **An Experimental Evaluation of Tools for Estimating Bandwidth-Related Metrics**
Abut F., Leischner M.
International Journal of Computer Network and Information Security, vol.10, no.8, pp.1-11, 2018 (Refereed Journals of Other Institutions)
- XI. **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, vol.4, no.1, pp.87-91, 2018 (Refereed Journals of Other Institutions)
- XII. **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, vol.3, pp.11-17, 2017 (Refereed Journals of Other Institutions)
- XIII. **A Survey on Applications of Statistical and Machine Learning Methods in Sport Physiology**
YÜKSEL M. C., ABUT F., AKAY M. F.
Austin Sports Medicine, vol.2, no.3, pp.1022-1027, 2017 (Refereed Journals of Other Institutions)
- XIV. **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, vol.3, no.10, pp.63-67, 2016 (Refereed Journals of Other Institutions)
- XV. **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, vol.31, no.2, pp.153-159, 2016 (Refereed Journals of Other Institutions)
- XVI. **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, vol.3, no.10, pp.108-111, 2016 (Refereed Journals of Other Institutions)
- XVII. **Machine learning and statistical methods for the prediction of maximal oxygen uptake: recent advances**
Abut F., AKAY M. F.
MEDICAL DEVICES-EVIDENCE AND RESEARCH, vol.8, pp.369-379, 2015 (Journal Indexed in ESCI)
- XVIII. **Towards a Generic Classification and Evaluation Scheme for Bandwidth Measurement Tools**

ABUT F.

Signals and Telecommunication Journal, vol.1, no.2, pp.78-88, 2012 (Refereed Journals of Other Institutions)

Books & Book Chapters

- 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

Refereed Congress / Symposium Publications in Proceedings

- I. **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, Turkey, 15 December 2021, pp.795-802
- II. **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, Turkey, 15 December 2021, pp.789-794
- III. **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, Turkey, 25 October 2021, pp.657-660
- IV. **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, Turkey, 25 - 27 October 2021, pp.644-646
- V. **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, Turkey, 25 - 27 October 2021, pp.628-633
- VI. **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, Turkey, 25 October 2021, pp.652-655
- VII. **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, Turkey, 25 October 2021, pp.419-423
- VIII. **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, Turkey, 25 October 2021, pp.96-101
- IX. **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, Turkey, 25 October 2021, pp.697-701
- X. **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, Turkey, 23 September 2021, pp.155-163

- XI. **Orchestra: A Warehouse Order Management System**
GÖRÜR F., HAMARAT E., ABUT F., AKAY M. F.
4th International Conference on Life and Engineering Sciences, İstanbul, Turkey, 23 September 2021, pp.148-154
- XII. **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, Turkey, 23 September 2021, pp.172-179
- XIII. **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, Turkey, 23 September 2021, pp.123-132
- XIV. **Orion: A Supplier Capacity Planning Model**
GÖKAY O., AYYILDIZ Ö., ABUT F., AKAY M. F.
4th International Conference on Life and Engineering Sciences, İstanbul, Turkey, 23 September 2021, pp.140-147
- XV. **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, Turkey, 23 September 2021, pp.133-139
- XVI. **DBTransporter: An Interoperable Application for Transferring Data Between Databases Running on Different Machines**
BEQIROVSKI F., KÖMÜRÇÜ M. F. , ABUT F., AKAY M. F.
4th International Conference on Life and Engineering Sciences, İstanbul, Turkey, 23 September 2021, pp.164-171
- XVII. **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, Turkey, 21 - 23 May 2021, pp.170-173
- XVIII. **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, Turkey, 21 - 23 May 2021, pp.166-169
- XIX. **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, Turkey, 01 May 2021
- XX. **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, Turkey, 21 - 23 October 2020, pp.140-143
- XXI. **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, Turkey, 21 - 23 October 2020, pp.320-328
- XXII. **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, Turkey, 21 - 23 October 2020, pp.263-267
- XXIII. **VIVID: A New Virtual Assistant for People with Visual Impairments**
AYANA Ö., ABUT F.
5th International Mediterranean Science and Engineering Congress (IMSEC-2020), Antalya, Turkey, 21 - 23

October 2020, pp.159-164

- XXIV. **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, Turkey, 21 - 23
October 2020, pp.165-169
- XXV. **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, Cyprus (Kktc), 6 - 08
March 2019, pp.33-34
- XXVI. **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, Turkey, 24 - 27 October 2018, pp.69-73
- XXVII. **On Active Estimation of End-to-End Capacity: A Comparison**
ABUT F.
Intl. Conference on Life and Engineering Sciences (ICOLES-18), Girne, Cyprus (Kktc), 2 - 04 September 2018,
pp.37-42
- XXVIII. **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, Cyprus (Kktc), 4 - 06
May 2018, pp.142
- XXIX. **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, Cyprus (Kktc), 4 - 06
May 2018, pp.141
- XXX. **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, Cyprus (Kktc), 1 - 03
November 2017, pp.189-194
- XXXI. **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,
Cyprus (Kktc), 16 - 17 September 2017, pp.117-121
- XXXII. **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.
9th International Conference on Computational Intelligence and Communication Networks (CICN), Girne, Cyprus
(Kktc), 16 - 17 September 2017, pp.210-214
- XXXIII. **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 March - 02 April
2016, vol.3, pp.11-17
- XXXIV. **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.
9th International Conference on Computational Intelligence and Communication Networks (CICN), Girne, Cyprus
(Kktc), 16 - 17 September 2017, pp.117-121
- XXXV. **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, Spain, 18 - 19 August 2016, pp.19-22

XXXVI. **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, Spain, 17 - 18 August 2016, pp.9-13

XXXVII. **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, Cyprus (Kkct), 31 March - 02 April 2016, pp.164

XXXVIII. **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, Turkey, 19 - 20 March 2016, pp.170-176

XXXIX. **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, Cyprus (Kkct), 4 - 06 November 2015, pp.10-11

XL. **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, Cyprus (Kkct), 4 - 06 November 2015, pp.7-9

XLI. **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, Turkey, 14 - 15 May 2015, pp.367-370

XLII. **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, Turkey, 14 - 15 May 2015, pp.395-399

XLIII. **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, Turkey, 10 - 13 May 2015, pp.178-184

XLIV. **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, Turkey, 10 - 13 May 2015, pp.163-170

XLV. **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, Turkey, 10 - 13 May 2015, pp.54-61

- XLVI. 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, Turkey, 10 - 13 May 2015, pp.82-89
- XLVII. 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, Turkey, 16 - 19 May 2015, pp.156-159
- XLVIII. 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, Turkey, 16 - 19 May 2015, pp.260-263
- XLIX. 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, Cyprus (Kkct), 5 - 07 November 2014, pp.8-9
- L. 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, Cyprus (Kkct), 5 - 07 November 2014, pp.5-6
- LI. 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, France, 7 - 09 October 2013
- LII. 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, Poland, 8 - 09 October 2012, pp.161-178
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ABUT F.
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Supported Projects

ABUT F., Çetin U. A. , Project Supported by Higher Education Institutions, Makine Öğrenmesi ve Nitelik Seçme Yöntemleriyle COVID-19 Tahmini, 2021 - Continues

Abut F., Project Supported by Higher Education Institutions, Mesaj Paketleme Yapılarının Dinamik Seçimi ile Link 16 Ağlarının Simülatif Modellemesi, 2020 - 2021

Abut F., Demir A. K. , Project Supported by Higher Education Institutions, 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., Project Supported by Higher Education Institutions, 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., Project Supported by Defense Industry, KEMENT (Data Link Network

Design and Implementation), 2016 - 2017

Pehlivanoglu G., Abut F., Yurtcan Y., Project Supported by Defense Industry, GEZGİN (Intercontinental Missile), 2016 - 2017

Akn B., Abut F., Yurtcan Y., Gökcan B., Project Supported by Defense Industry, SOM-J (Stand-Off Missile / Network Enabled Weapons), 2015 - 2017

Sevenich P., Abut F., Barz C., NATO Supported Research Project, Protected Core Networking - Concepts and Challenges, 2013 - 2014

Sevenich P., Abut F., Barz C., Rogge H., Dahlberg D., EU Supported Other Project, Community Networks Testbed for the Future Internet (CONFINE), 2012 - 2014

Sevenich P., Abut F., Barz C., Dahlberg D., Diefenbach A., Wilmes M., Project Supported by Public Organizations in Other Countries, Coalition Networks for Secure Information Sharing (CoNSIS), 2011 - 2014

Scientific Refereeing

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, CODELAB TEKNOLOJİ VE DANIŞMANLIK ANONİM ŞİRKETİ, Turkey, November 2020

TUBITAK Project, 1501 - Industry R & D Projects Support Program, KOBİL BİLGİSAYAR ENERJİ VE ELEKTRİK SİSTEMLERİ SAN. TİC. LTD. ŞTİ., Turkey, November 2020

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, NEW SENSES UZAY TEKNOLOJİ VE SAĞLIK ARAŞTIRMALARI ANONİM ŞİRKETİ, Turkey, May 2020

IEEE NETWORK, SCI Journal, May 2018

INTERNATIONAL JOURNAL OF NETWORK MANAGEMENT, Journal Indexed in SCI-E, November 2016

JOURNAL OF NETWORK AND COMPUTER APPLICATIONS, Journal Indexed in SCI-E, July 2016

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, Journal Indexed in SCI-E, April 2016

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, Journal Indexed in SCI-E, March 2016

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, Journal Indexed in SCI-E, December 2015

Edit Congress and Symposium Activities

International Symposium on Engineering, Artificial Intelligence and Applications, Attendee, Girne, Cyprus (Kkct), 2019

International Conference on Computational Mathematics and Engineering Sciences, Attendee, Girne, Cyprus (Kkct), 2018

International Conference on Artificial Intelligence and Soft Computing, Attendee, Barcelona, Spain, 2018

IEEE International Conference on Computational Intelligence and Communication Networks, Attendee, Girne, Cyprus (Kkct), 2017

SOM-J Project Meeting (TÜBİTAK SAGE), Attendee, Kocaeli, Turkey, 2017

International Data Link Symposium, Attendee, Maastricht, Netherlands, 2016

International Conference on Natural Science and Engineering, Attendee, Kilis, Turkey, 2016

International Symposium on Engineering, Artificial Intelligence and Applications, Attendee, Girne, Cyprus (Kkct), 2015

IEEE Signal Processing and Communications Applications Conference, Attendee, Malatya, Turkey, 2015

International Symposium on Sport Science, Engineering and Technology, Attendee, İstanbul, Turkey, 2015

International Symposium on Engineering, Artificial Intelligence and Applications, Attendee, Girne, Cyprus (Kkct), 2014

IEEE Military Communications and Information Systems Conference, Attendee, Bretagne, France, 2013

IEEE Military Communications and Information Systems Conference, Attendee, Gdansk, Poland, 2012

CoNSIS Project Meeting (Fraunhofer FKIE), Attendee, Munich, Germany, 2012

CoNSIS Project Meeting (Fraunhofer FKIE), Attendee, Munich, Germany, 2012

CoNSIS Project Meeting (Fraunhofer FKIE), Attendee, Aix-En-Provence, France, 2011

Citations

Total Citations (WOS):52

h-index (WOS):5

Awards

Abut F., Ph.D. graduation in Computer Engineering with excellence (three years), Çukurova University, May 2017

Abut F., M.Sc. graduation in Computer Science with excellence, Fachhochschule Bonn Rhein Sieg, September 2010

Abut F., Bachelor graduation in Computer Science with honours, Fachhochschule Bonn Rhein Sieg, September 2008

Abut F., Class Rank #1 (with another student) among the graduates, Georg-Simon-Ohm Technical College, August 2005

Non Academic Experience

Company, Nano Bilgisayar ve İletişim Hiz. San. ve Tic. Ltd., Tümüleşik Bulut Santral Projesi

Company, Hızlı Bilişim Teknolojileri AŞ, Web Tabanlı Yeni Nesil E-Dönüşüm Portalı

Company, Kent Yazılım Bilişim ve İletişim Teknolojileri San. Tic. Ltd. Şti., Bulut Tabanlı, E-Devlet Servislerine Entegreli,
Yeni Nesil Belediye Otomasyon Yazılımının Geliştirilmesi

Other Public Institution, Yazılım Birimi

State Agency, Department of Communication Systems