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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Drexel University, Yabancı Diller Yüksekokulu, Elektrik Ve Bilgisayar Müh Böl, United States Of America 2001 - 2005

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Müh, Turkey 1999 - 2001

Undergraduate, Cukurova University, Mühendislik Mimarlık Fak, Elektrik-Elektronik Müh Böl, Turkey 1995 - 1999

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Contention resolution and memory load balancing algorithms on distributed shared memory multiprocessors , Drexel University, Mühendislik Fakültesi, Elektrik Ve Bilgisayar Mühendisliği, 2005

Postgraduate, Resonance Characteristics of Whispering Gallery Modes in Dielectric Resonators for Microwave Measurement Applications , Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Müh, 2001

Research Areas

Computer Sciences, Equipment, Network Architecture, Artificial Intelligence, Computer Learning and Pattern Recognition, Computer Learning, Engineering and Technology

Academic Titles / Tasks

Professor, Cukurova University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2019 - Continues

Associate Professor, Cukurova University, Mühendislik Mimarlık Fak, Bilgisayar Müh Böl, 2013 - 2019

Assistant Professor, Cukurova University, Mühendislik Mimarlık Fak, Bilgisayar Müh Böl, 2007 - 2013

Research Assistant, Cukurova University, Mühendislik Mimarlık Fak, Elektrik Elektronik Müh Böl, 1999 - 2007

Academic and Administrative Experience

Advising Theses

- AKAY M. F., Voice and Data Traffic Modeling and Prediction for a 3G Mobile Network Using Machine Learning Methods, Postgraduate, Y.Yur(Student), 2017
- AKAY M. F., Development of New Hybrid Models for Prediction of Maximal Oxygen Uptake Using Machine Learning Methods Combined with Feature Selection, Doctorate, F.Abut(Student), 2017
- AKAY M. F., Prediction of Upper Body Power of Cross Country Skiers Using Machine Learning Methods Combined With Feature Selection, Doctorate, M.Mikail(Student), 2016
- AKAY M. F., Development of New Models Using Machine Learning Methods Combined with Different Time Lags for Network Traffic Forecasting, Postgraduate, D.Akgöl(Student), 2016
- AKAY M. F., Predicting the Admission Decision of a Participant to the School of Physical Education and Sports at Çukurova University by Using Different Machine Learning Methods Combined with Feature Selection, Postgraduate, G.Özsert(Student), 2016
- AKAY M. F., Predicting the Admission Decision of a Candidate to the School of Physical Education and Sport at Cukurova University by Using Different Machine Learning Algorithms, Postgraduate, İ.Turhan(Student), 2015
- AKAY M. F., Developing VO2max Prediction Models from Non-Exercise, Submaximal and Hybrid Variables Using Machine Learning Methods, Doctorate, M.Açıkkar(Student), 2015
- AKAY M. F., Prediction of Maximum Oxygen Uptake (VO2max) with Submaximal and Questionnaire Variables using Different Regression Methods, Postgraduate, E.Yücel(Student), 2014
- AKAY M. F., Prediction of Maximal Oxygen Uptake Using Machine Learning Methods Combined with Feature Selection, Postgraduate, E.Aktürk(Student), 2014
- AKAY M. F., Prediction of Upper Body Power and Maximal Oxygen Uptake of Cross-Country Skiers Using Different Regression Methods, Postgraduate, S.Daneshvar(Student), 2014
- AKAY M. F., Development of New Congestion Control Algorithms for Broadcast-based Multiprocessor Architectures with Multiple Input Queues, Doctorate, Ç.İnan(Student), 2013
- AKAY M. F., Performance Improvement of the Two Dimensional Broadcast-based Distributed Shared Memory Multiprocessor Systems by Message Operations, Doctorate, İ.Abasıkeleş(Student), 2013
- AKAY M. F., Predicting Performance Measures of a Multiprocessor Architecture by Using Machine Learning Methods, Doctorate, E.Ismail(Student), 2012
- AKAY M. F., Investigation of the Effect of Message Combining Mechanism on the 2D SOME-Bus Architecture, Postgraduate, G.Kale(Student), 2012
- AKAY M. F., Prediction of maximum oxygen uptake from maximal and non-exercise variables using machine learning methods, Postgraduate, N.Shokrollahi(Student), 2012
- AKAY M. F., Performance evaluation of directory-based cache coherence protocols on an optical interconnection network supporting distributed shared memory, Postgraduate, İ.Abasıkeleş(Student), 2009
- AKAY M. F., A new congestion control algorithm for improving the performance of a broadcast-based multiprocessor architecture, Postgraduate, Ç.İnan(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **WS-AWRE: Intrusion Detection Using Optimized Whale Sine Feature Selection and Artificial Neural Network (ANN) Weighted Random Forest Classifier**
Aldabash O. A., AKAY M. F.
Applied Sciences (Switzerland), vol.14, no.5, 2024 (SCI-Expanded)
- II. **BITCOIN PRICE PREDICTION USING LSTM, GRU AND HYBRID LSTM-GRU WITH BAYESIAN OPTIMIZATION, RANDOM SEARCH, AND GRID SEARCH FOR THE NEXT DAYS**
Kervanci I. S., AKAY M. F., Özceylan E.

Journal of Industrial and Management Optimization, vol.20, no.2, pp.570-588, 2024 (SCI-Expanded)

- 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 (SCI-Expanded)
- IV. **NEW APPROACH IN ASSESSING CORE MUSCLE ENDURANCE USING RATINGS OF PERCEIVED EXERTION**
George J. D., Tolley J. R., Vehrs P. R., Reece J. D., AKAY M. F., Cambridge E. D. J.
JOURNAL OF STRENGTH AND CONDITIONING RESEARCH, vol.32, no.4, pp.1081-1088, 2018 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- VIII. **A hybrid congestion control algorithm for broadcast-based architectures with multiple input queues**
ACI C. I., AKAY M. F.
JOURNAL OF SUPERCOMPUTING, vol.71, no.5, pp.1907-1931, 2015 (SCI-Expanded)
- IX. **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 (SCI-Expanded)
- X. **PREDICTING THE PERFORMANCE MEASURES OF A 2-DIMENSIONAL MESSAGE PASSING MULTIPROCESSOR ARCHITECTURE BY USING MACHINE LEARNING METHODS**
AKAY M. F., Aci Ç., Abut F.
NEURAL NETWORK WORLD, vol.25, no.3, pp.241-265, 2015 (SCI-Expanded)
- XI. **Predicting the performance measures of a message-passing multiprocessor architecture using artificial neural networks**
Zayid E. I. M., AKAY M. F.
NEURAL COMPUTING & APPLICATIONS, vol.23, pp.2481-2491, 2013 (SCI-Expanded)
- XII. **Artificial neural network-based model for predicting VO(2)max from a submaximal exercise test**
AKAY M. F., Zayid E. I. M., Aktürk E., George J. D.
EXPERT SYSTEMS WITH APPLICATIONS, vol.38, no.3, pp.2007-2010, 2011 (SCI-Expanded)
- XIII. **A new congestion control algorithm for improving the performance of a broadcast-based multiprocessor architecture**
Aci C. I., AKAY M. F.
JOURNAL OF PARALLEL AND DISTRIBUTED COMPUTING, vol.70, no.9, pp.930-940, 2010 (SCI-Expanded)
- XIV. **Predicting the performance measures of an optical distributed shared memory multiprocessor by using support vector regression**
AKAY M. F., Abasikeleş I.
EXPERT SYSTEMS WITH APPLICATIONS, vol.37, no.9, pp.6293-6301, 2010 (SCI-Expanded)
- XV. **Application of self organizing maps for investigating network latency on a broadcast-based distributed shared memory multiprocessor**
AKAY M. F., Abasikeleş I., ORAL M.

- EXPERT SYSTEMS WITH APPLICATIONS, vol.37, no.4, pp.2937-2942, 2010 (SCI-Expanded)
- XVI. **Performance evaluation of directory protocols on an optical broadcast-based distributed shared memory multiprocessor**
Abasikeleş I., AKAY M. F.
COMPUTERS & ELECTRICAL ENGINEERING, vol.36, no.1, pp.114-131, 2010 (SCI-Expanded)
- XVII. **Support vector regression and multilayer feed forward neural networks for non-exercise prediction of VO2 max**
AKAY M. F., Inan C., Bradshaw D. I., George J. D.
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.6, pp.10112-10119, 2009 (SCI-Expanded)
- XVIII. **Support vector machines for predicting the admission decision of a candidate to the School of Physical Education and Sports at Cukurova University**
AÇIKKAR M., AKAY M. F.
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.3, pp.7228-7233, 2009 (SCI-Expanded)
- XIX. **Support vector machines for aerobic fitness prediction of athletes**
AÇIKKAR M., AKAY M. F., ÖZGÜNEN K. T., AYDIN K., KURDAK S. S.
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.2, pp.3596-3602, 2009 (SCI-Expanded)
- XX. **Support vector machines combined with feature selection for breast cancer diagnosis**
Akay M. F.
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.2, pp.3240-3247, 2009 (SCI-Expanded)
- XXI. **Performance improvement of parallel programs on a broadcast-based distributed shared memory multiprocessor by simulation**
AKAY M. F., Katsinis C.
SIMULATION MODELLING PRACTICE AND THEORY, vol.16, no.3, pp.338-352, 2008 (SCI-Expanded)
- XXII. **Contention resolution on a broadcast-based distributed shared memory multiprocessor**
AKAY M. F., Katsinis C.
IET COMPUTERS AND DIGITAL TECHNIQUES, vol.2, no.1, pp.45-55, 2008 (SCI-Expanded)
- XXIII. **Resonance characteristics of whispering gallery modes in parallel-plates-type cylindrical dielectric resonators**
Akay M. F., Prokopenko Y., Kharkovsky .
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.40, no.2, pp.96-101, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **LSTM Hyperparameters optimization with Hparam parameters for Bitcoin Price Prediction**
KERVANCI I., AKAY M. F.
Sakarya University Journal of Computer and Information Sciences (Online), vol.6, no.1, pp.1-9, 2023 (Peer-Reviewed Journal)
- 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 (Peer-Reviewed Journal)
- 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 (Scopus)
- 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 (Peer-Reviewed Journal)
- 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 (Peer-Reviewed Journal)

- VI. **Development of Physical Fitness Prediction Models for Turkish Secondary School Students Using Machine Learning Methods**
AKAY M. F., Çetin E., Yarım İ., Bozkurt Ö., Erdem S.
GÜMÜŞHANE ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.1, pp.7-10, 2019 (Peer-Reviewed Journal)
- VII. **Development of Internet Traffic Prediction Software Using Time-Series Multilayer Perceptron**
Yüksel M. C., AKAY M. F., Çiftçi S.
GÜMÜŞHANE ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, no.238, pp.1-6, 2018 (Peer-Reviewed Journal)
- VIII. **Prediction of Hamstring and Quadriceps Muscle Strength Using Multiple Linear Regression**
AKAY M. F., Yüksel M. C., Erdem S., ÇETİN E., YARIM İ.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2018 (Peer-Reviewed Journal)
- IX. **Estimating the maximal oxygen uptake with new prediction models for college-aged students using feature selection algorithm**
AKAY M. F., ÖZÇİLOĞLU M. M., ÇETİN E., YARIM İ., DANESHVAR S.
New Trends and Issues Proceedings on Humanities and Social Sciences, vol.5, no.4, pp.52-57, 2018 (Peer-Reviewed Journal)
- X. **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 (Peer-Reviewed Journal)
- XI. **New Prediction Models for the Maximal Oxygen Uptake of College-aged Students Using Non-Exercise Data**
AKAY M. F., ÇETİN E., YARIM İ., ÖZÇİLOĞLU M. M.
New Trends and Issues Proceedings on Humanities and Social Sciences, vol.4, no.4, pp.1-5, 2017 (Peer-Reviewed Journal)
- XII. **Investigating the effect of sport branch on predicting the quadriceps strength of athletes using support vector machines**
AKAY M. F., Sow B., ÇETİN E., YARIM İ., Daneshvar S.
New Trends and Issues Proceedings on Humanities and Social Sciences, pp.21-25, 2017 (Peer-Reviewed Journal)
- XIII. **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 (Peer-Reviewed Journal)
- XIV. **Development of New Hybrid Admission Decision Prediction Models Using Support Vector Machines Combined with Feature Selection**
ÖZSERT G., AKAY M. F., Alak H.
New Trends and Issues Proceedings on Humanities and Social Sciences, pp.1-10, 2017 (Peer-Reviewed Journal)
- XV. **On the Application of Artificial Intelligence and Feature Selection in Sports Science Education and Research: A Case Study**
ÖZÇİLOĞLU M. M., AKAY M. F., Heil D.
New Trends and Issues Proceedings on Humanities and Social Sciences, pp.256-262, 2017 (Peer-Reviewed Journal)
- XVI. **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 (Peer-Reviewed Journal)
- XVII. **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 (Peer-Reviewed Journal)
- XVIII. **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 (Peer-Reviewed Journal)

XIX. 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 (Peer-Reviewed Journal)

XX. 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 (ESCI)

Books & Book Chapters

I. Prediction of Upper Body Power of Cross-Country Skiers Using Machine Learning Methods Combined with Feature Selection Algorithms

Özçiloğlu M. M., AKAY M. F.

Dissertation.com, Boca Raron, Florida, 2017

II. Predicting the Admission Decision of Models

Özsert Yiğit G., AKAY M. F.

Amazon.com books , Saarbrücken, 2016

III. Developing VO₂max Prediction Models Using Machine Learning Methods

AÇIKKAR M., AKAY M. F.

Amazon.com books , New York City, 2015

IV. Prediction of Vo₂max With Submaximal and Questionnaire Variables: Using different regression methods

AKAY M. F., Yücel E.

Amazon.com books , Saarbrücken, 2015

V. PERFORMANCE EVALUATION OF DIRECTORY-BASED CACHE COHERENCE PROTOCOLS ON AN OPTICAL INTERCONNECTION NETWORK SUPPORTING DISTRIBUTED SHARED MEMORY

AKAY M. F., Abasikeleş İ.

Amazon.com books , New York City, 2014

VI. Performance Improvement Of The 2D Broadcast-based DSM Systems

AKAY M. F., Abasikeleş İ.

Amazon.com books , New York City, 2013

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. 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
- 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. **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
- VI. **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
- VII. **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
- VIII. **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
- IX. **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
- X. **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
- XI. **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, Turkey, 23 September 2021, pp.164-171
- XII. **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
- XIII. **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
- 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. **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
- XVI. **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
- 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. Estimating the Maximal Oxygen Uptake with New Prediction Models for College-aged Students Using Feature Selection Algorithm**
AKAY M. F., Özçiloğlu M. M., Çetin E., Yarım İ., Daneshvar S.
7 th Cyprus International Conference on Educational Research, Girne, Cyprus (Kkctc), 7 - 09 June 2018, pp.20
- XXI. PREDICTION OF HAMSTRING AND QUADRICEPS MUSCLE STRENGTH USING MULTIPLE LINEAR REGRESSION**
AKAY M. F., Yüksel M. C., Erdem S., Çetin E., Yarım İ.
THE THIRD INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES, Girne, Cyprus (Kkctc), 4 - 06 May 2018, pp.223
- XXII. DEVELOPMENT OF PHYSICAL FITNESS PREDICTION MODELS FOR TURKISH SECONDARY SCHOOL STUDENTS USING MACHINE LEARNING METHODS**
AKAY M. F., Çetin E., Yarım İ., Bozkurt Ö., Erdem S.
THE THIRD INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES, Girne, Cyprus (Kkctc), 4 - 06 May 2018, pp.224
- XXIII. DEVELOPMENT OF INTERNET TRAFFIC PREDICTION SOFTWARE USING TIME-SERIES MULTILAYER PERCEPTRON**
Yüksel M. C., AKAY M. F., Çiftçi S.
THE THIRD INTERNATIONAL CONFERENCE ON COMPUTATIONAL MATHEMATICS AND ENGINEERING SCIENCES, Girne, Cyprus (Kkctc), 4 - 06 May 2018, pp.225
- XXIV. Multilayer Perceptron Models for Investigating the Effect of Body Mass Index on Predicting the Quadriceps Strength of Athletes**
AKAY M. F., Sow B., Daneshvar S., Çetin E., Yarım İ., Özçiloğlu M. M.
Fifth International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA 2017), Girne, Cyprus (Kkctc), 1 - 03 November 2017, pp.50
- XXV. Predicting a 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.
Fifth International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA 2017), Girne, Cyprus (Kkctc), 1 - 03 November 2017, pp.49
- XXVI. 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 (Kkctc), 1 - 03 November 2017, pp.189-194
- XXVII. Web-based Maximal Oxygen Uptake Calculator Using Multilayer Perceptron and Non-Exercise Data**
AKAY M. F., Akça E.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.126
- XXVIII. Predicting the Maximal Oxygen Uptake Using Deep Learning**
AKAY M. F., Abdulkader H.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.119
- XXIX. Development of Novel Maximal Oxygen Uptake Prediction Models for Turkish College Students Using Machine Learning and Exercise Data**
AKAY M. F., Çetin E., Yarım İ., Bozkurt Ö., Özçiloğlu M. M.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.121-125
- XXX. Prediction of Resonant Frequency for Cylindrical Dielectric Resonators Using Support Vector**

Machine Combined with a Feature Selection Algorithm

AKAY M. F., Özçiloğlu M. M.

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- XXXI. **Predicting the Pass/Fail Status of College Students from the Probability and Statistics Course Using Machine Learning Methods**
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