Prof. MEHMET FATİH AKAY

Personal Information

Office Phone: +90 322 338 7101 Extension: 16
Email: mfakay@cu.edu.tr
Web: http://ceng.cu.edu.tr/fakay

International Researcher IDs
ORCID: 0000-0003-0780-0679
Yoksis Researcher ID: 26331

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

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

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., 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., 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., 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. **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), vol.14, no.21, 2024 (SCI-Expanded)

II. **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)

III. 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)

IV. 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)

V. 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)

VI. 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)

VII. 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)

VIII. 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)

IX. 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)

X. 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)

XI. 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 (SCI-Expanded)

XII. 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)

XIII. 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)

XIV. 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)

XV. Predicting the performance measures of an optical distributed shared memory multiprocessor by using support vector regression
AKAY M. F., Abasıkeleş I.

EXPERT SYSTEMS WITH APPLICATIONS, vol.37, no.9, pp.6293-6301, 2010 (SCI-Expanded)

XVI. **Application of self organizing maps for investigating network latency on a broadcast-based distributed shared memory multiprocessor**
AKAY M. F., Abasıkeleş I., ORAL M.
EXPERT SYSTEMS WITH APPLICATIONS, vol.37, no.4, pp.2937-2942, 2010 (SCI-Expanded)

XVII. **Performance evaluation of directory protocols on an optical broadcast-based distributed shared memory multiprocessor**
Abasıkeleş I., AKAY M. F.
COMPUTERS & ELECTRICAL ENGINEERING, vol.36, no.1, pp.114-131, 2010 (SCI-Expanded)

XVIII. **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)

XIX. **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)

XX. **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)

XXI. **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)

XXII. **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)

XXIII. **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)

XXIV. **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. **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, vol.0, no.0, pp.1-7, 2022 (Peer-Reviewed Journal)

III. **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, vol.0, no.0, pp.1-6, 2022 (Peer-Reviewed Journal)

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, vol.8, no.1, pp.20-25, 2022 (Peer-Reviewed Journal)

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, vol.6, no.2, pp.138-142, 2022 (Peer-Reviewed Journal)

VI. **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)

VII. **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)

VIII. **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)

IX. **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)

X. **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)

XI. **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)

XII. **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)

XIII. **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)

XIV. **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)

XV. **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)

XVI. **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)

XVII. **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)

XVIII. **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)

XIX. **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)

XX. **A Survey on Applications of Statistical and Machine Learning Methodsin Sport Physiology**
YÜKSEL M. C., ABUT F., AKAY M. F.
Austin Sports Medicine, vol.2, no.3, pp.1022-1027, 2017 (Peer-Reviewed Journal)

XXI. **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)

XXII. **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)

XXIII. **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)

XXIV. **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., Abasıkeleş İ.
Amazon.com books , New York City, 2014

VI. **Performance Improvement Of The 2D Broadcast-based DSM Systems**
AKAY M. F., Abasıkeleş 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 thCyprus International Conference on Educational Research, Girne, Cyprus (Kktc), 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 (Kktc), 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 (Kktc), 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 (Kktc), 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 (Kktc), 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 (Kktc), 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 (Kktc), 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 MachineLearning 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 Combinedwith a Feature Selection Algorithm**
AKAY M. F., Özçiloğlu M. M.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.1151

XXXI. **Predicting the Pass/Fail Status of College Students from the Probability and Statistics Course Using MachineLearning Methods**
AKAY M. F., Yüksel M. C.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.43

XXXII. **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

XXXIII. **Artificial Neural Networks for Predicting the Racing Time of Cross-Country Skiers from Survey-Based Data**
AKAY M. F., Abut F., Daneshvar S., Heil D.
9th IEEE International Conference on Computational Intelligence and Communication Networks, Girne, Cyprus (Kktc), 16 - 17 September 2017, pp.1

XXXIV. **Predicting the Maximum Endurance Time for Left-Side Bridge Exercise Using Machine Learning Methods and Hybrid Data**
AKAY M. F., Yüksel M., Abut F., Taş F. M., George J.
The 9th International Conference on Computational Intelligence and Communication Networks (CICN 2017), Girne, Cyprus (Kktc), 16 - 17 September 2017, pp.96-100

XXXV. **EXPLORING THE MOTIVATION OF COLLEGE STUDENTS TOWARD ENGLISH MEDIUM INSTRUCTION USING GMDH POLYNOMIAL NETWORK**
AKAY M. F., Daneshvar S., Turhan B.
6th Cyprus International Conference on Educational Research (CYICER-2017), Girne, Cyprus (Kktc), 3 - 05 May 2017, pp.1

XXXVI. **New Prediction Models for the Maximal Oxygen Uptake of College-aged Students Using Non-Exercise Data**
AKAY M. F., Çetin E., YArım İ., ÖZÇİLOĞLU M. M.
6th Cyprus International Conference on Educational Research (CYICER-2017), Girne, Cyprus (Kktc), 3 - 05 May 2017, pp.1

XXXVII. **INVESTIGATING THE EFFECT OF SPORT BRANCH ON PREDICTING THE QUADRICEPS STRENGTH OF**

ATHLETES USING SUPPORT VECTOR MACHINES
AKAY M. F., Sow B., Çetin E., YArım İ., Daneshvar S.
6th Cyprus International Conference on Educational Research (CYICER-2017), Girne, Cyprus (Kktc), 3 - 05 May 2017, pp.50

XXXVIII. **A Case Study for the Application of Artificial Neural Networks in Sports Science Education and Research**
AKAY M. F., Taş F. M., George J.
6th Cyprus International Conference on Educational Research (CYICER-2017), Girne, Cyprus (Kktc), 3 - 05 May 2017, pp.1

XXXIX. **Maximum-Likelihood Feature Selection for Prediction of Maximal Oxygen Uptake Using Support Vector Machines**
Abut F., AKAY M. F., George J.
6th Cyprus International Conference on Educational Research (CYICER-2017), Girne, Cyprus (Kktc), 3 - 05 May 2017, pp.1

XL. **Development of New Hybrid Admission Decision Prediction Models Using Support Vector Machines Combined with Feature Selection**
Yigit G. O., AKAY M. F., Alak H.
5th Cyprus International Conference on Educational Research (CYICER), Kyrenia, CYPRUS, 31 March - 02 April 2016, vol.3, pp.1-10

XLI. **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.
5th Cyprus International Conference on Educational Research (CYICER), Kyrenia, CYPRUS, 31 March - 02 April 2016, vol.3, pp.256-262

XLII. **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

XLIII. **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

XLIV. **Development of Novel Maximal Oxygen Uptake Prediction Models for Turkish College Students Using Machine Learning and Exercise Data**
AKAY M. F., ÇETİN E., YARIM İ., Bozkurt O., ÖZÇİLOĞLU M. M.
9th International Conference on Computational Intelligence and Communication Networks (CICN), Girne, Cyprus (Kktc), 16 - 17 September 2017, pp.186-189

XLV. **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

XLVI. **Minimum-Redundancy Maximum-Relevance Feature Selection for Creating New Hybrid Models for Predicting Maximal Oxygen Uptake Using Support Vector Machines**
Abut F., AKAY M. F., George J.
Fourth International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kktc), 2 - 04 November 2016, pp.21-22

XLVII. **Clustering Algorithms on the Performance Measures for a Message Passing Multiprocessor Architecture**

AKAY M. F., Zayid R.

Fourth International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kktc), 2 - 04 November 2016, pp.17-18

XLVIII. **Support Vector Machines for Predicting The Motivation Level of College Students on English Medium Instruction**

AKAY M. F., Daneshvar S., Turhan B.

Fourth International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kktc), 2 - 04 November 2016, pp.15-16

XLIX. **Development of New Maximum Oxygen Uptake Prediction Models For Turkish College Students Using Support Vector Machines and Submaximal Data**

AKAY M. F., Çetin E., Yarım İ., Özçiloğlu M. M.

Fourth International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kktc), 2 - 04 November 2016, pp.19-20

L. **Predicting the Upper Body Power of Cross Country Skiers Using Support Vector Machines Combined with Correlation-based Feature Subset Selection**

Özçiloğlu M. M., AKAY M. F.

Fourth International Symposium on Engineering, Artificial Intelligence and Applications, Girne, Cyprus (Kktc), 2 - 04 November 2016, pp.13-14

LI. **Development of an Intelligent Internet Traffic Prediction and Forecasting Software**

Gürler E., AKAY M. F.

1st International Mediterranean Science and Engineering Congress (IMSEC-2016), Adana, Turkey, 26 - 28 October 2016, pp.1

LII. **Predicting the Muscular Endurance Time Using Gene Expression Programming**

Alak H., AKAY M. F., George J.

1st International Mediterranean Science and Engineering Congress (IMSEC-2016), Adana, Turkey, 26 - 28 October 2016, pp.1

LIII. **New Prediction Equations for Estimating the Maximal Oxygen Consumption of College-aged Students Using Hybrid Data**

Dinçer Ö. F., AKAY M. F., Çetin E., Yarım İ., Daneshvar S.

1st International Mediterranean Science and Engineering Congress (IMSEC-2016), Adana, Turkey, 26 - 28 October 2016, pp.1

LIV. **New Regression Models for Predicting the Hamstring Muscle Strength Using Support Vector Machines**

Sow B., AKAY M. F., Abut F., Çetin E., Yarım İ., Alak H.

1st International Mediterranean Science and Engineering Congress (IMSEC-2016), Adana, Turkey, 26 - 28 October 2016, pp.2-5

LV. **Short Term Voice Traffic Forecast in 3G/UMTS Networks Using Machine Learning and Statistical Methods**

Yur Y., AKAY M. F., Abut F.

71st International Conference on Artificial Intelligence and Soft Computing (ICAISC-2016), Barcelona, Spain, 18 - 19 August 2016, pp.19-22

LVI. **Network Traffic Forecasting Using Machine Learning and Statistical Regression Methods Combined with Different Time Lags**

AKAY M. F., Akgöl D.

71st International Conference on Artificial Intelligence and Soft Computing (ICAISC-2016), Barcelona, Spain, 18 - 19 August 2016, pp.1-4

LVII. **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

LVIII. **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.
71st International Conference on Artificial Intelligence and Soft Computing (ICAISC-2016), Barcelona, Spain, 18 - 19 August 2016, pp.1-4

LIX. **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

LX. **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 (Kktc), 31 March - 02 April 2016, pp.164

LXI. **On the Application Artificial Intelligence and Feature Selection in Sports Science Education and Research A Case Study**
Özçiloğlu M. M., AKAY M. F., Heil D.
5th Cyprus International Conference on Educational Research, 1 - 02 April 2016, pp.157

LXII. **On the Application of Artificial Intelligence and Feature Selection in Sports Science Education and Research: A Case Study**
AKAY M. F., Özçiloğlu M., Heil D.
5th Cyprus International Conference on Educational Research, Girne, Cyprus (Kktc), 31 March - 02 April 2016, pp.10-14

LXIII. **Development of New Hybrid Admission Decision Prediction Models Using Different Machine Learning Methods Combined with Feature Selection**
Özsert Yiğit G., AKAY M. F., Alak H.
5th Cyprus International Conference on Educational Research, Girne, Cyprus (Kktc), 31 March - 02 April 2016, pp.1-4

LXIV. **New Regression Equations for Estimating the Maximal Oxygen Uptake of College of Physical Education and Sports Students in Turkey**
AKAY M. F., Çetin E., Yarım İ., Abut F., Kaya K.
5th Cyprus International Conference on Educational Research, Girne, Cyprus (Kktc), 31 March - 02 April 2016, pp.4-7

LXV. **Performance Comparison of Machine Learning Methods and Different Time Lags for Network Traffic Forecasting**
AKGÖL D., AKAY M. F.
International Conference on Natural Science and Engineering, 19 - 20 March 2016, pp.177-183

LXVI. **Predicting the Resonant Frequency and Q-Factor of Cylindrical Dielectric Resonators with Whispering Gallery Modes Using Tree-Structured Regression Methods**
AKAY M. F., Abut F.
International Conference on Natural Science and Engineering (ICNASE?16), Kilis, Turkey, 19 - 20 March 2016, pp.170-176

LXVII. **Tree Based Methods Combined with Feature Selection for Predicting Upper Body Power of Cross Country Skiers**
Mustafa Mikail Ö., AKAY M. F.
International Conference on Natural Science and Engineering, 19 - 20 March 2016, pp.184-190

LXVIII. **Investigating the Effect of Predictor Variables on Admission Decision Using Machine Learning Methods Combined with Feature Selection**
ÖZSERT G., AKAY M. F.
International Conference on Natural Science and Engineering, 19 - 20 March 2016, pp.191-197

LXIX. **Multilayer Feed-Forward Neural Networks for Predicting the Average Network Latency of a 2-Dimensional Distributed Shared Memory Multiprocessor**
AKAY M. F., Zayid E.
International Conference on Natural Science and Engineering (ICNASE?16), Kilis, Turkey, 19 - 20 March 2016, pp.50

LXX. **Development of New Prediction Models for Maximal Oxygen Uptake Using Artificial Intelligence Methods**
Kaya K., AKAY M. F., Çetin E., Yarım İ.
International Conference on Natural Science and Engineering (ICNASE?16), Kilis, Turkey, 19 - 20 March 2016, pp.988-986

LXXI. **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

LXXII. **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 (Kktc), 4 - 06 November 2015, pp.10-11

LXXIII. **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.
Third International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2015), Girne, Cyprus (Kktc), 4 - 06 November 2015, pp.7

LXXIV. **Artificial Neural Networks for Predicting the Resonant Frequency and Q-Factor of Whispering Gallery Mode Cylindrical Dielectric Resonators**
AKAY M. F., Abut F., Daneshvar S.
Third International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2015), Girne, Cyprus (Kktc), 4 - 06 November 2015, pp.3

LXXV. **Performance Comparison of Different Machine Learning Methods for Network Traffic Forecasting**
Akgöl D., AKAY M. F., Yur Y.
Third International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2015), Girne, Cyprus (Kktc), 4 - 06 November 2015, pp.2

LXXVI. **A New Data Reduction Algorithm for Improving the Performance of Support Vector Machines on Maximal Oxygen Uptake Prediction**
AÇIKKAR M., AKAY M. F., George J.
Third International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2015), Girne, Cyprus (Kktc), 4 - 06 November 2015, pp.5

LXXVII. **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 (Kktc), 4 - 06 November 2015, pp.7-9

LXXVIII. **New Prediction Models for Upper Body Power of Cross-Country Skiers Using Machine Learning Methods with Minimum-Redundancy Maximum-Relevance Feature Selection Algorithm**
Özçiloğlu M., AKAY M. F., Heil D.
Third International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2015), Girne, Cyprus (Kktc), 4 - 06 November 2015, pp.1

LXXIX. **"Data-Driven Modeling of Quadriceps and Hamstring Muscle Strength Using Support Vector Machines**
AKAY M. F., Abut F., Çetin E., Yarım İ., Sow B.

Third International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2015), Girne, Cyprus (Kktc), 4 - 06 November 2015, pp.4

LXXX. **Support Vector Machines for Prediction of Endurance Times Involving Isometric Side Bridge Exercise Test**
Abut F., AKAY M. F., Sow B., George J.
Third International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2015), Girne, Cyprus (Kktc), 4 - 06 November 2015, pp.6

LXXXI. **Prediction of maximum endurance times involving five core stabilization exercise assessments**
Torrey J., George J., Vehrs P., Reece J., AKAY M. F., Sow B., Cambridge E.
Southwest Chapter - American College of Sports Medicine Annual Conference, Newport Beach, United States Of America, 1 - 02 October 2015, pp.135

LXXXII. **Kros Kayakçılarda Maksimum Oksijen Tüketimine Etki Eden Değişkenlerin Makine Öğrenme ve Nitelik Seçme Algoritmalarıyla Belirlenmesi**
Abut F., AKAY M. F.
IEEE 23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, SIU2015, Turkey, 16 - 19 May 2015, pp.60-63

LXXXIII. **Farklı Makine Öğrenme Yöntemleri Kullanarak Egzersize Dayalı Olmayan Yeni Maksimum Oksijen Tüketim Tahmin Modellerinin Geliştirilmesi**
Genç E., AKAY M. F.
IEEE 23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, SIU2015, Turkey, 16 - 19 May 2015, pp.100-103

LXXXIV. **Farklı Makine Öğrenme Yöntemleri ile Kros Kayakçılar için Yeni Üst Vücut Gücü Tahmin Modellerinin Geliştirilmesi**
Daneshvar S., Abut F., Yıldız İ., AKAY M. F.
IEEE 23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, SIU2015, Turkey, 16 - 19 May 2015, pp.164-167

LXXXV. **Submaksimal Veriler Kullanılarak Farkı Makine Ögrenme Yöntemleri İle Maksimum Oksijen Tüketiminin Tahmin Edilmesi**
Yıldız İ., AKAY M. F.
IEEE 23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, SIU2015, Turkey, 16 - 19 May 2015, pp.88-91

LXXXVI. **Nitelik Seçme ile Birleştirilmiş Makine Öğrenme Yöntemleri ile Kros Kayakçıların Üst Vücut Gücünün Tahmin Edilmesi**
AKGÖL D., AKAY M. F.
IEEE 23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, SIU2015, Turkey, 16 - 19 May 2015, pp.52-55

LXXXVII. **Kros Kayakçıların Maksimum Oksijen Alımı Tahmini İçin Farklı Regresyon Yöntemlerinin Performans Karşılaştırması**
ÖZSERT G., AKAY M. F.
IEEE 23. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, SIU2015, Turkey, 16 - 19 May 2015, pp.72-75

LXXXVIII. **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., Yıldız İ.
8th Engineering and Technology Symposium, Ankara, Turkey, 14 - 15 May 2015, pp.5-10

LXXXIX. **High performance message passing over a parallel multiprocessor architecture**
AKAY M. F., Zayid .
8th Engineering and Technology Symposium, Ankara, Turkey, 14 - 15 May 2015, pp.1-5

XC. **Performance comparison of different machine learning methods for prediction of maximal oxygen uptake from submaximal data**
AKAY M. F., Abut F., Yıldız İ., George J.
8th Engineering and Technology Symposium, Ankara, Turkey, 14 - 15 May 2015, pp.10-15

XCI. **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

XCII. **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

XCIII. **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

XCIV. **Development of New Hybrid Models for Prediction of Maximum Oxygen Uptake Using Machine Learning Methods Combined with Feature Selection**

Abut F., AKAY M. F., George J.

1st International Symposium on Sport Science, Engineering and Technology (ISSSET2015), İstanbul, Turkey, 10 - 13 May 2015, pp.1-5

XCV. **Performance Evaluation of Different Classifiers for Predicting the Admission Decision of a Candidate to the School of Physical Education and Sports at Cukurova University**

Abut F., AKAY M. F., Turhan I., ÖZSERT G.

1st International Symposium on Sport Science, Engineering and Technology (ISSSET2015), Istanbul, 10 - 13 May 2015, pp.178-184

XCVI. **Feature selection for prediction of upper body power of cross-country skiers using different machine learning methods**

AKAY M. F., Özçiloğlu M., Abut F.

1st International Symposium on Sport Science, Engineering and Technology (ISSSET2015), Istanbul, 10-13 May 2015., İstanbul, Turkey, 10 - 13 May 2015, pp.1-5

XCVII. **Investigating the Effects of Body Mass Index and Location Variables on the Prediction of Maximal Oxygen Uptake Using Support Vector Machines**

Genç E., Abut F., AKAY M. F., George J.

1st International Symposium on Sport Science, Engineering and Technology (ISSSET2015), İstanbul, Turkey, 10 - 13 May 2015, pp.15-20

XCVIII. **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

XCIX. **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

C. **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

CI. **Development of New Models for Predicting Upper Body Power of Cross-Country Skiers Using Machine Learning Methods**

Akgöl D., AKAY M. F., Heil D.

1st International Symposium on Sport Science, Engineering and Technology (ISSSET2015), İstanbul, Turkey, 10 - 13 May 2015, pp.5-10

CII. **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.

23nd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.156-159

CIII. **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.
23nd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.260-263

CIV. **Performance Comparison of Different Regression Methods for Maximal Oxygen Uptake Estimation of Cross-Country Skiers**
Ozsert G., AKAY M. F.
23nd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.168-171

CV. **Predicting Upper Body Power of Cross-country Skiers Using Machine Learning Methods Combined with Feature Selection**
Akgol D., AKAY M. F.
23nd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.148-151

CVI. **Development of New Non-Exercise Maximum Oxygen Uptake Models by Using Different Machine Learning Methods**
Genc E., AKAY M. F.
23nd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.196-199

CVII. **Prediction of Maximum Oxygen Uptake with Different Machine Learning Methods by Using Submaximal Data**
Yildiz I., AKAY M. F.
23nd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.184-187

CVIII. **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 (Kktc), 5 - 07 November 2014, pp.8-9

CIX. **Prediction of Upper Body Power of Cross-Country Skiers Using Support Vector Machines Combined with Feature Selection**
AKAY M. F., Akgöl D., Turhan İ., heil D.
Second International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2014),, Girne, Cyprus (Kktc), 5 - 07 November 2014, pp.1

CX. **Development of New Non-Exercise Maximal Oxygen Uptake Models by Using Support Vector Machines**
AKAY M. F., Özsert G., genç e.
Second International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2014),, Girne, Cyprus (Kktc), 5 - 07 November 2014, pp.1

CXI. **Prediction of Maximal Oxygen Uptake of Cross-Country Skiers Using Different Regression Methods**
AKAY M. F., Abut F., Daneshvar s., Heil d.
Second International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2014),, Girne, Cyprus (Kktc), 5 - 07 November 2014, pp.1

CXII. **Performance Comparison of Different Regression Methods for Maximal Oxygen Uptake Prediction**
AKAY M. F., Özsert g., Taş f., George J.
Second International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2014),, Girne, Cyprus (Kktc), 5 - 07 November 2014, pp.1

CXIII. **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 (Kktc), 5 - 07 November 2014, pp.5-6

CXIV. **Support Vector Machines Combined with Feature Selection for Prediction of Maximal Oxygen Uptake**

AKAY M. F., Geroge J., Akgöl D.

Second International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2014),, Girne, Cyprus (Kktc), 5 - 07 November 2014, pp.1

CXV. **Performance Comparison of Different Regression Methods for Predicting the Performance Measures of a Multiprocessor Architecture**

AKAY M. F., Zayid E. I. M.

Second International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2014), North Cyprus, 5 - 07 November 2014, pp.19-20

CXVI. **Using Support Vector Machines to Predict Maximal Oxygen Uptake with the Help of Questionnaire Variables**

AKAY M. F., Abut F., George J.

Second International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2014),, Girne, Cyprus (Kktc), 5 - 07 November 2014, pp.1

CXVII. **Predicting the Admission Decision of a Candidate to the School of Physical Education and Sports at Cukurova University by Using Multilayer Perceptron Combined with Feature Selection**

AÇIKKAR M., AKAY M. F., Abut F., İşoğlu Ö., İşoğlu Ö.

Second International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2014), Girne, Cyprus (Kktc), 5 - 07 November 2014, pp.1

CXVIII. **nvestigating 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., Şanlı t., Heil D.

Second International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2014),, Girne, Cyprus (Kktc), 5 - 07 November 2014, pp.1

CXIX. **Multilayer Perceptron Models for Predicting the Admission Decision of a Candidate to the School of Physical Educatio and Sports at Cukurova University**

AKAY M. F., Güler M., AÇIKKAR M.

Second International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2014),, Girne, Cyprus (Kktc), 5 November - 07 October 2014, pp.1

CXX. **Artificial Neural Network-based Models for Predicting Maximum Oxygen Uptake from Submaximal Data**

AKAY M. F., Özsert g., George J.

Second International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2014),, Girne, Cyprus (Kktc), 5 - 07 November 2014, pp.1

CXXI. **Destek Vektör Makineleri ve Nitelik Seçici Algoritma Kullanılarak Maksimum Oksijen Tüketimi Tahmin Modellerinin Geliştirilmesi**

AKAY M. F., AKGÖL D., Aktürk E., George J.

ASYU2014: Akıllı Sistemlerde Yenilikler ve Uygulamaları, Turkey, 8 - 10 October 2014, pp.21

CXXII. **Destek Vektör Makineleri Kullanilarak Submaksimal Verilerden Maksimum Oksijen Tüketiminin Tahmin Edilmesi**

AKAY M. F., Özsert G., AÇIKKAR M., George J.

ASYU2014: Akıllı Sistemlerde Yenilikler ve Uygulamaları, İzmir, Turkey, 8 - 10 October 2014, pp.54-57

CXXIII. **Prediction of Maximal Oxygen Uptake Using Multilayer Perceptron Combined with Feature Selection**

Aktürk E., AKAY M. F.

7th Engineering and Technology Symposium, Ankara, Turkey, 15 - 16 May 2014, pp.3-6

CXXIV. **Predicting the Upper Body of Cross-Country Skiers Using Support Vector Machines**

AKAY M. F., Daneshvar S., İşoğlu Ö., Heil D.

7th Engineering and Technology Symposium, Ankara, Turkey, 15 - 16 May 2014, pp.21-24

CXXV. **Artificial neural network models for predicting maximum oxygen uptake from submaxiaml exercise involving walking, jogging or running**
AÇIKKAR M., AKAY M. F., George J., Delil M., Aktürk E.
EEECS?12, 7th International Symposium on Electrical & Electronics Engineering and Computer Systems, Gemikonağı, Cyprus (Kktc), 29 November 2013 - 30 November 2012, pp.17-21

CXXVI. **Prediction of Upper Body Power of Cross-Country Skiers Using Artificial Neural Networks**
AKAY M. F., Daneshvar S.
First International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2013), Kıbrıs, Cyprus (Kktc), 6 - 08 November 2013, pp.1

CXXVII. **A New Approach for Improving the Performance of Support Vector Machines for Maximal Oxygen Uptake Prediction**
AÇIKKAR M., AKAY M. F.
First International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2013), Kıbrıs, Cyprus (Kktc), 6 - 08 November 2013, pp.1

CXXVIII. **Prediction of Maximal Oxygen Uptake Using Multilayer Perceptron and Multiple Linear Regression Combined with Feature Selection**
AKAY M. F., Yücel E., Yücel E., Aktürk E.
First International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2013), Kıbrıs, Cyprus (Kktc), 6 - 08 November 2013, pp.1

CXXIX. **Prediction of Maximal Oxygen Uptake Using Multilayer Perceptron and Multiple Linear Regression Combined with Feature Selection**
AKAY M. F., Aktürk E.
First International Symposium on Engineering, Artificial Intelligence & Applications (ISEAIA2013), Kuzey Kıbrıs, Cyprus (Kktc), 6 - 08 November 2013, pp.1

CXXX. **Reliable Attributes Selection Technique for Predicting the Performance Measures of a DSM Multiprocessor Architecture**
AKAY M. F., Zayid E.
Reliable Attributes Selection Technique for Predicting the Performance Measures of a DSM Multiprocessor Architecture, Khartoum, Sudan, 26 - 28 August 2013, pp.1

CXXXI. **A Congestion Control Algorithm with Intermediate Node Selection Procedure For Performance Improvement of a 2-Dımensıonal Broadcast-Based Multiprocessor Architecture**
AKAY M. F., ACI Ç.
Proceedings of the Fourth International Conference on Mathematical and Computational Applications,, Manisa, Turkey, 11 - 13 June 2013, pp.186-196

CXXXII. **Using message combining and priority for mproving the performance of distributed shared memory multiprocessor systems**
AKAY M. F., Abasıkeleş İ.
Proceedings of the Fourth International Conference on Mathematical and Computational Applications, Manisa, Turkey, 11 June 2013 - 13 June 2014, pp.212-220

CXXXIII. **Yapay Sinir Ağları Kullanılarak Egzersiz ve Egzersize Dayalı Olmayan Verilerden VO2max Tahmini**
AKAY M. F., Kale G., Aktürk E., Tunçdemir A.
21. Sinyal İşleme ve İletişim Uygulamaları Kurultayı SİU2013, Kıbrıs, Cyprus (Kktc), 24 - 26 April 2013, pp.1

CXXXIV. **Egzersiz ve Anket Verileri Kullanarak Yapay Sinir Ağı Tabanlı VO2max Tahmin Modelleri**
AKAY M. F., Aktürk E., AÇIKKAR M.
21. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, SİU2013, Kıbrıs, Cyprus (Kktc), 24 - 26 April 2013, pp.1

CXXXV. **VO2max Tahmini İçin Farklı Regresyon Yöntemlerinin Performans Karşılaştırması**
AKAY M. F., Aktürk E., Kilitçioğlu H.
21. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, SİU2013, Kıbrıs, Cyprus (Kktc), 24 - 26 April 2013, pp.1

CXXXVI. **Akıllı Regresyon Teknikleri Kullanarak Egzersize Dayalı Olmayan VO2max Tahmini**
AKAY M. F., Aktürk E., Güleç M.

21. Sinyal İşleme ve İletişim Uygulamaları Kurultayı SİU2013, Kıbrıs, Cyprus (Kktc), 24 - 26 April 2013, pp.1

CXXXVII. **Egzersiz ve Anket Verileri Kullanarak Yapay Sinir Ağı Tabanli VO2max Tahmin Modelleri**
Aktarla E., AKAY M. F., Aktürk E., AÇIKKAR M.
21. Sinyal İşleme ve İletisim Uygulamaları Kurultayı, SIU2013, Turkey, 24 - 26 April 2013

CXXXVIII. **Yapay Sinir Ağı Kullanarak Submaksimal Egzersiz Testinden VO2max Tahmini**
AKAY M. F., Aktürk E., Balıkçı A.
21. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, SİU2013, Kıbrıs, Cyprus (Kktc), 24 - 26 April 2013, pp.1

CXXXIX. **Intelligent Regression Techniques for Non-Exercise Prediction of VO(2)max**
AÇIKKAR M., AKAY M. F., AKTURK E., GULEC M.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013

CXL. **A Congestion Control Algorithm with Intermediate Node Selection Procedure For Performance Improvement of a 2-Dimensional Broadcast-Based Multiprocessor Architecture**
ACI Ç., AKAY M. F.
Proceedings of the Fourth International Conference on Mathematical and Computational Applications, Manisa, Turkey, 01 January 2013, pp.186-196

CXLI. **Reliable Attributes Selection Technique for Predicting the Performance Measures of a DSM Multiprocessor Architecture**
Zayid E. I. M., AKAY M. F.
International Conference on Computer, Electrical and Electronics Engineering (ICCEEE), Khartoum, Sudan, 26 - 28 August 2013, pp.208-214

CXLII. **Performance Comparison of Different Regression Methods for VO(2)max Estimation**
Akturk E., AKAY M. F., Kilitcioglu H.
21st Signal Processing and Communications Applications Conference (SIU), CYPRUS, 24 - 26 April 2013

CXLIII. **Artificial neural network models for predicting VO2max from exercise and non-exercise data**
AKAY M. F., Aktürk E., Aktürk E., George J.
EEECS?12, 7th International Symposium on Electrical & Electronics Engineering and Computer Systems, Gemikonağı, Cyprus (Kktc), 29 - 30 November 2012, pp.2-6

CXLIV. **Improving the performance of a 2D multiprocessor architecture using message combining under client-server traffic model**
AKAY M. F., Kale G.
EEECS?12, 7th International Symposium on Electrical & Electronics Engineering and Computer Systems, Gemikonağı, Cyprus (Kktc), 29 - 30 November 2012, pp.66-71

CXLV. **Artificial neural networks for developing new maximal oxygen uptake prediction models**
AKAY M. F., Ghahremanlou N., Aktürk E., George J., Daneshvar S.
EEECS?12, 7th International Symposium on Electrical & Electronics Engineering and Computer Systems, Gemikonağı, Cyprus (Kktc), 29 November - 30 December 2012, pp.12-16

CXLVI. **Multilayer feed forward neural network models for predicting the performance measures of a message passing multiprocessor architecture**
AKAY M. F., Zayid E.
EEECS?12, 7th International Symposium on Electrical & Electronics Engineering and Computer Systems, Gemikonağı, Cyprus (Kktc), 29 November 2012 - 30 March 2014, pp.22-27

CXLVII. **Performance improvement of the two dimensional broadcast-based distributed shared memory multiprocessor systems**
AKAY M. F., Abasıkeleş İ.
9th International Conference on Electronics,Computer and Computation (ICECCO 2012), Ankara, Turkey, 1 - 03 November 2012, pp.149-152

CXLVIII. **Improving the performance of a 2-Dimensional broadcast-based multiprocessor architecture using congestion control algorithm**
AKAY M. F., ACI Ç.
9th International Conference on Electronics, Computer and Computation (ICECCO 2012), Ankara, Turkey, 1 - 03 November 2012, pp.163-165

CXLIX. **Performance Improvement of the Two Dimensional Broadcast-based Distributed Shared Memory Multiprocessor Architecture**
Abasikeles I., AKAY M. F.
9th International Conference on Electronics Computer and Computation (ICECCO 2012), Ankara, Turkey, 1 - 03 November 2012, pp.159-162

CL. **Improving the Performance of a 2-Dimensional Broadcast-Based Multiprocessor Architecture Using Congestion Control Algorithm**
ACI Ç., AKAY M. F.
9th International Conference on Electronics Computer and Computation (ICECCO 2012), Ankara, Turkey, 1 - 03 November 2012, pp.163-166

CLI. **Predicting the performance measures of a message passing multiprocessor architecture by using artificial neural networks**
AKAY M. F., Zayid E.
2nd International Symposium on Computing in Science and Engineering, İzmir, Turkey, 1 - 04 June 2011, pp.53-58

CLII. **Development of new VO2max prediction models by using artificial neural networks**
AKAY M. F., Shokrollahi N., Aktürk E., George J.
2nd International Symposium on Computing in Science and Engineering, Kuşadası, İzmir, Turkey, 01 June 2011 - 04 June 2012, pp.39-44

CLIII. **Artificial neural network-based model for predicting VO2max from a hybrid exercise test**
AKAY M. F., Zayid E., George J., Aktürk E., Kale G., Aktürk E.
EECS'10, 6th International Symposium on Electrical and Computer Systems, Gemikonağı, Cyprus (Kktc), 25 - 26 November 2010, pp.16-20

CLIV. **Çimento Tabanli Yapilarin Mikrodalga Yansima ve Kirilma Özelliklerinin Ölçülmesi ve Incelenmesi**
AKAY M. F., Kharkovsky S. N., Hasar U. C., Atiş C.
Elektrik-Elektronik-Bilgisayar Mühendisligi 9.Ulusal Kongresi ve Fuari,, Kocaeli, Turkey, 28 September - 01 November 2010, pp.277-281

CLV. **Dağıtık Ortak Hafızalı Çoklu Mikroişlemcilere Sahip Optik Tabanlı Mimari Üzerinde Dizin Protokollerinin Başarım Çözümlemesi**
AKAY M. F., Abasıkeleş İ.
I. Ulusal Yüksek Başarım ve Grid Konferansı, Ankara, Turkey, 15 - 19 April 2009, pp.31-42

CLVI. **SOME-Bus Mimarisi Üzerinde Mesaj Geçişi Protokolünün Başarımını Arttırmaya Yönelik Bir Algoritma**
AKAY M. F., ACI Ç.
I. Ulusal Yüksek Başarım ve Grid Konferansı, Ankara, Turkey, 15 - 18 April 2009, pp.147-154

CLVII. **Dagıtık Ortak Hafızalı Çoklu Mikroişlemcilere Sahip Optik Tabanlı Mimari Üzerinde Dizin Protokollerinin Basarim Çözümlemesi**
Abasıkeleş I., AKAY M. F.
I. Ulusal Yüksek Başarım ve Grid Konferansı, Turkey, 15 - 18 April 2009

CLVIII. **SOME Bus Mimarisi Üzerinde Mesaj Geçisi Protokolünün Başarımını Arttırmaya Yönelik Bir Algoritma**
ACI Ç., AKAY M. F.
I. Ulusal Yüksek Başarım ve Grid Konferansı, Turkey, 15 - 18 April 2009, pp.147-154

CLIX. **SOME-Bus Mimarisi Üzerinde Mesaj Geçişi Protokolünün Başarımını Artırmaya Yönelik Bir Algoritma**
ACI Ç., AKAY M. F.
I. Ulusal Yüksek Başarım ve Grid Konferansı, Ankara, Turkey, 01 January 2009, pp.147-154

CLX. **Performance Evaluation of Directory Protocols on an Optical Interconnection Network Supporting Distributed Shared Memory**
AKAY M. F., Abasıkeleş İ.
EECS'08, 5th International Symposium on Electrical and Computer Systems, Gemikonağı, Cyprus (Kktc), 27 - 28 November 2008, pp.1

CLXI. **Multilayer Feed Forward Neural Network Models for Non-Exercise Prediction of VO2max**
AKAY M. F., ACI Ç., Bradshaw D., George J.
ECS'08, 5th International Symposium on Electrical and Computer Systems, Gemikonağı, Cyprus (Kktc), 27 - 28

November 2008, pp.1

CLXII. **Predicting the admission decision of a candidate to the School of Physical Education and Sports at Cukurova University bu using artificial neural networks**
AÇIKKAR M., AKAY M. F.
EECS'08, 5th International Symposium on Electrical and Computer Systems, Gemikonağı, Cyprus (Kktc), 27 - 28 November 2008, pp.1

CLXIII. **Destek Vektör Makineleri ile Beden Eğitimi ve Spor Yüksekokuluna Giriş İçin Başvuran Adayların Başarı Durumlarının Tahmini**
Mendi S., AKAY M. F., AÇIKKAR M.
Ç.Ü. Müh-Mim. Fak. 30. Yil Sempozyumu, Turkey, 16 - 17 October 2008

CLXIV. **SOME-BUS MİMARİSİ ÜZERİNDE İKİ FARKLI DİZİN PROTOKOLÜNÜN PERFORMANS ANALİZİ**
AKAY M. F., Abasıkeleş i.
Ç.Ü. Müh-Mim. Fak. 30. Yıl Sempozyumu,, Adana, Turkey, 16 - 17 October 2008, pp.1

CLXV. **Genelleştirilmiş Regresyon Ağları Kullanarak Egzersize Dayalı Olmayan VO2max Tahmini**
ACI Ç., AKAY M. F.
Ç.Ü. Müh-Mim. Fak. 30. Yil Sempozyumu, Turkey, 16 - 17 October 2008

CLXVI. **DESTEK VEKTÖR MAKİNELERİ İLE BEDEN EĞİTİMİ VE SPOR YÜKSEKOKULUNA GİRİŞ İÇİN BAŞVURAN ADAYLARIN BAŞARI DURUMLARININ TAHMİNİ**
AKAY M. F., Mendi S., AÇIKKAR M.
Ç.Ü. Müh-Mim. Fak. 30. Yıl Sempozyumu,, Adana, Turkey, 16 - 17 October 2008, pp.1

CLXVII. **Some Bus Mimamiris Üzerinde İki Farklı Dizin Protokolünün Performans Analizi**
Abasıkeleş I., AKAY M. F.
Ç.Ü. Müh-Mim. Fak. 30. Yil Sempozyumu, Turkey, 16 - 17 October 2008

CLXVIII. **Performance Evaluation of Different Directory Protocols on the Simultaneous Optical Multiprocessor Exchange Bus**
AKAY M. F., Abasıkeleş İ.
OPNETWORK 2008, Washington Dc, United States Of America, 25 - 29 August 2008, pp.1-5

CLXIX. **Genelleştirilmiş Regresyon Ağlari Kullanarak Egzersize Dayalı Olmayan VO2max Tahmini**
ACI Ç., AKAY M. F.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi 30.yıl sempozyumu, Adana, Turkey, 02 May 2008, pp.17-20

CLXX. **Performance evaluation of a broadcast-based distributed shared memory multiprocessor by OPNET Modeler**
AKAY M. F., Katsinis C.
OPNETWORK 2007, Washington, United States Of America, 26 - 27 August 2007, pp.1

CLXXI. **Performance Evaluation of Different Directory Protocols on the Simultaneous Optical Multiprocessor Exchange Bus**
AKAY M. F., Abasıkeleş İ.
OPNETWORK 2008, Washington, United States Of America, 25 August 2007 - 27 August 2014, pp.1

CLXXII. **Internet üzerinden ses transferi için ileri hata düzeltme tekniğinin performans analizi**
AKAY M. F.
ITUSEM 2007, Adana, Turkey, 1 - 04 January 2007, pp.1

CLXXIII. **Çimento Tabanlı Yapıların Mikrodalga Yansıma ve Kırılma Özelliklerinin Ölçülmesi ve İncelenmesi**
Kharkovsky S. N., AKAY M. F., Hasar U. C., Atış C. D.
Elektrik-Elektronik-Bilgisayar Mühendisliği 9.Ulusal Kongresi ve Fuarı, Turkey, 16 - 18 October 2001, pp.277-281

CLXXIV. **A Measurement System for the Determination of the Concrete Quality by Using Microwave Techniques**
AKAY M. F., Kharkovsky S. N., Hasar U., Atiş C.
NIMIA-SC2001 - 2001 NATO Advanced Study Institute on Neural Networks for Instrumentation, Measurement, and Related Industrial Applications: Study Cases, Crema, Italy, 9 - 20 October 2001, pp.1

CLXXV. **Numerical modelling of whispering gallery modes in parallel-plates type cylindrical anisotropic dielectric resonators**

AKAY M. F., Prokopenko Y., Kharkovsky S. N.

IEEE Antennas and Propogation Society International Symposium,, Boston, United States Of America, 8 - 13 July 2001, pp.600-603

CLXXVI. **Measurement and Monitoring of Microwave Reflection and Transmission Properties of Cement-Based Specimens**

AKAY M. F., Kharkovsky S. N., Hasar U., Atış C. D.

Proceedings of the 18th IEEE Instrumentation and Measurement Technology Conference (IMTC/2001), Budapeşte, Hungary, 21 - 23 May 2001, pp.513-518

CLXXVII. **Measurement and Monitoring of Microwave Reflection Properties of Cement-Based Materials for Propagation Modeling**

AKAY M. F., Kharkovsky S. N., Hasar U., Atış C.

4th European Personal Mobile Communications Conference (EPMCC 2001), Vienna, Austria, 20 - 22 February 2001, pp.1

CLXXVIII. **Measurement and monitoring of microwave reflection and transmission properties of cement-based materials for propagation modeling**

Kharkovsky S. N., Hasar U., Akay M. F., Atış C.

53rd IEEE Vehicular Technology Conference (VTC), RHODES, Greece, 6 - 09 May 2001, pp.1202-1206

CLXXIX. **Whispering gallery mode dielectric resonators for the millimeter wave near field sensing applications**

AKAY M. F., Prokopenko Y., Kharkovsky N.

Physics and Engineering of Millimeter and Submillimeter Waves,, Kharkow, Ukraine, 1 - 03 January 2001, pp.699-701

CLXXX. **An automated amplitudes-only measurement system for permittivity determination using free-space method**

Akay M. F., Kharkovsky S. N., Hasar U.

18th IEEE Instrumentation and Measurement Technology Conference (IMTC/2001), Budapest, Hungary, 21 - 23 May 2001, pp.503-506

CLXXXI. **Boşluk Uzay Yöntemini Kullanarak Malzemelerin Dielektrik Sabitlerini Belirlemek için Önerilen Otomatik Ölçme Sistemi**

AKAY M. F., Kharkovsky S.

Elektrik-Elektronik-Bilgisayar Mühendisliği Sempozyumu (ELECO?2000), Bursa, Turkey, 12 November 2000, pp.82-84

Supported Projects

AKAY M. F., Taş F. M., Project Supported by Higher Education Institutions, Dört Egzersiz Türü için Dayanaklılık Süresinin Makine Öğrenme Yöntemleri Kullanılarak Tahmin Edilmesi, 2017 - Continues

AKAY M. F., Al-Asadi M. J. S., Project Supported by Higher Education Institutions, Döviz Kuru Oranlarının Zaman Serisi Tahmini için Derin Öğrenme, 2019 - 2021

AKAY M. F., Yanar A., Project Supported by Higher Education Institutions, Makine Öğrenimi ve Derin Öğrenme ile Elektrik Piyasa Takas Fiyatının Tahmini, 2018 - 2021

AKAY M. F., Nawaf A. M., Project Supported by Higher Education Institutions, Makine Öğrenmesi / Derin Öğrenme ve Görüntü İşleme ile Kumaş Hatalarını Tespit Eden Yazılımın Geliştirilmesi, 2019 - 2020

AKAY M. F., Yüksel M. C., Project Supported by Higher Education Institutions, Zaman Serili Çok Katmanlı Algılayıcı ve Zaman Gecikmeleri Kullanılarak İnternet Trafik Tahmini Yazılımı Geliştirilmesi, 2018 - 2019

AKAY M. F., ÇETİN E., YARIM İ., Abut F., KOYUNCU B., ÖZÇİLOĞLU M. M., Project Supported by Higher Education Institutions, Ülkemiz Sporcuları için Yapay Zeka ve İstatistiksel Yöntemler Kullanılarak Maksimum Oksijen Tüketimi (VO2max) Tahmin Modellerinin Geliştirilmesi, 2016 - 2019

AKAY M. F., Daneshvar S., Project Supported by Higher Education Institutions, Developing new VO2max prediction models from maximal submaximal and questionnaire variables using support vector machines combined with feature

selection, 2017 - 2018

AKAY M. F., Daneshvar S., Project Supported by Higher Education Institutions, Prediction of VO2max with Submaximal and Questionnaire Variables: Using Different Regression Methods, 2016 - 2018

AKAY M. F., Project Supported by Higher Education Institutions, Predicting the Maximum Endurance Time for LeftSide Bridge Exercise Using Machine Learning Methods and Hybrid Data, 2017 - 2017

AKAY M. F., Project Supported by Higher Education Institutions, INVESTIGATING THE EFFECT OF SPORT BRANCH ON PREDICTING THE QUADRICEPS STRENGTH OF ATHLETES USING SUPPORT VECTOR MACHINES, 2017 - 2017

AKAY M. F., ÖZÇİLOĞLU M. M., Daneshvar S., Project Supported by Higher Education Institutions, Identifying the discriminative predictors of upper body power of crosscountry skiers using support vector machines combined with feature selection, 2016 - 2017

AKAY M. F., Yur Y., Project Supported by Higher Education Institutions, Türkiyede Servis Veren Üçüncü Nesil Mobil İletişim Şebekesi için Makine Ögrenimi Yöntemleri Kullanılarak Trafik Tahmin Modellerinin Geliştirilmesi, 2016 - 2017

AKAY M. F., Abut F., Project Supported by Higher Education Institutions, Nitelik Seçme ile Birleştirilmiş Farklı Makine Öğrenme Yöntemleri ile VO2max Tahmini İçin Yeni Hibrid Modellerin Geliştirilmesi, 2015 - 2017

AKAY M. F., Project Supported by Higher Education Institutions, (2 adet bildiri) 1 Predicting the Upper Body Power of Cross Country Skiers Using Support Vector Machines Combined with Correlation based Feature Subset Selection 2 Clustering Algorithms on the Performance Measures for a Message Passing Multiprocessor Architecture, 2016 - 2016

AKAY M. F., Project Supported by Higher Education Institutions, New Regression Equations for Estimating the Maximal Oxygen Uptake of College of Physical Education and Sports Students in Turkey, 2016 - 2016

AKAY M. F., Akgöl D., Project Supported by Higher Education Institutions, Farklı Zaman Gecikmeleri ile Birleştirilmiş Makine Öğrenme Yöntemleri ile İnternet Trafik Tahmin Modellerinin Geliştirilmesi, 2015 - 2016

AKAY M. F., Daneshvar S., Özsert Yiğit G., Kaya K., Project Supported by Higher Education Institutions, PREDICTING THE PERFORMANCE MEASURES OF A 2DIMENSIONAL MESSAGE PASSING MULTIPROCESSOR ARCHITECTURE BY USING MACHINE LEARNING METHODS, 2015 - 2016

AKAY M. F., Özçiloğlu M., Project Supported by Higher Education Institutions, Kros Kayakçıların Üst Vücut Gücünün Nitelik Seçme ile Birleştirilmiş Makine Öğrenme Yöntemleri ile Tahmin Edilmesi, 2015 - 2016

AKAY M. F., Daneshvar S., Abut F., AÇIKKAR M., Project Supported by Higher Education Institutions, A hybrid congestion control algorithm for broadcastbased architectures with multiple input queues, 2015 - 2016

AKAY M. F., Özsert G., Project Supported by Higher Education Institutions, Farklı Makine Öğrenme Yöntemleri ve Nitelik Seçme Algoritmaları Kullanılarak Çukurova Üniversitesi Beden Eğitimi ve Spor Okuluna Alınacak Adayların Kabul Kararının Belirlenmesi, 2015 - 2016

AKAY M. F., AÇIKKAR M., Abut F., Daneshvar S., Project Supported by Higher Education Institutions, Prediction of upper body power of cross country skiers using support vector machines, 2015 - 2015

AKAY M. F., Turhan İ., Project Supported by Higher Education Institutions, Farklı Makine Öğrenme Algoritmaları Kullanarak Çukurova Üniversitesi Beden Eğitimi ve Spor Okuluna Alınacak Adayların Kabul Kararının Belirlenmesi, 2014 - 2015

AKAY M. F., Daneshvar S., Project Supported by Higher Education Institutions, Performance Improvement Of The 2D Broadcast-based DSM Systems, 2014 - 2015

AKAY M. F., Project Supported by Higher Education Institutions, Makine Öğrenme Yöntemleri Kullanılarak Egzersize Dayalı Olmayan , Submaksimal ve Hibrit Değişkenlerden Maksimum Oksijen Tüketimi Tahmin Modellerinin Geliştirilmesi, 2013 - 2015

AKAY M. F., Project Supported by Higher Education Institutions, Performance Evaluation Of DirectoryBased Cache Coherence Protocols On An Optical Interconnection Network Supporting Distributed Shared Memory, 2014 - 2014

AKAY M. F., Daneshvar S., Project Supported by Higher Education Institutions, Predicting the performance measures of a message passing multiprocessor architecture by using artificial neural networks, 2014 - 2014

AKAY M. F., Daneshvar S., Project Supported by Higher Education Institutions, FARKLI REGRESYON YÖNTEMLERİ İLE CROSS-COUNTRY KAYAKÇILARIN ÜST VÜCUT GÜCÜ VE MAKSİMUM OKSİJEN TÜKETİMİNİN TAHMİN EDİLMESİ, 2014 - 2014

AKAY M. F., Yücel E., Project Supported by Higher Education Institutions, SUBMAKSİMAL VE ANKET DEĞİŞKENLERİ İLE FARKLI REGRESYON MODELLERİ KULLANARAK MAKSİMUM OKSİJEN TÜKETİMİNİN (VO2max) TAHMİN EDİLMESİ, 2014 - 2014

AKAY M. F., Project Supported by Higher Education Institutions, Yapay Sinir Ağları Kullanarak Maksimum Oksijen Tüketimini (VO2max) Tahmin Eden Web Tabanlı Yazılım Geliştirilmesi, 2013 - 2014

AKAY M. F., Project Supported by Higher Education Institutions, Makine Öğrenme Yöntemleri ve Nitelik Seçici Algoritmalar Kullanarak Maksimum Oksijen Tüketiminin Tahmin Edilmesi, 2013 - 2014

Metrics

Publication: 254
Citation (WoS): 468
Citation (Scopus): 606
H-Index (WoS): 8
H-Index (Scopus): 9