

## Prof. İKBAL ESKİ

### Personal Information

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### Education Information

Doctorate, Erciyes Üniversitesi, Fen Bilimleri, Makina Mühendisliği, Turkey 2001 - 2007

Postgraduate, Erciyes Üniversitesi, Fen Bilimleri, Makina Mühendisliği, Turkey 1997 - 2001

Undergraduate, Erciyes Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 1993 - 1997

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, MSC ADAMS Temel Seviye, BİAS MÜHENDİSLİK, 2005

### Dissertations

Doctorate, Yapay Sinir Ağı Denetim Organı Kullanarak Taşıtlarda Aktif Süspansiyon Sistemi Kontrolü, Erciyes Üniversitesi, Fen Bilimleri, Makina Mühendisliği, 2008

Postgraduate, Endüstriyel Otomasyonda Cisimlerin Yapay Görme Sistemi ile Tanınarak Seçilmesi, Erciyes Üniversitesi, Fen Bilimleri, Makine Mühendisliği, 2001

### Research Areas

Technical Sciences, Mechanical Engineering, Machine Theory and Dynamics, Machine Dynamics, System Dynamics and Control, Vehicle Systems Dynamics, Mechatronics, Mechanical Vibrations

### Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Mekatronik Mühendisliği, 2020 - Continues

Associate Professor, Erciyes Üniversitesi, Mühendislik Fakültesi, Mekatronik Mühendisliği Bölümü, 2014 - Continues

Assistant Professor, Erciyes Üniversitesi, Erciyes Üniversitesi, Mühendislik Fakültesi, Mekatronik Mühendisliği, 2008 - 2014

Research Assistant, Erciyes Üniversitesi, Erciyes Üniversitesi, Mühendislik Fakültesi, Makine Bölümü, 2001 - 2008

## Academic and Administrative Experience

Erciyes Üniversitesi, Mekatronik Mühendisliği, 2009 - Continues

Erciyes Üniversitesi, Mekatronik Mühendisliği, 2008 - 2012

## Courses

Kontrol Sistemleri-II, Undergraduate, 2012 - 2013

Endüstriyel Otomasyon, Undergraduate, 2012 - 2013

Kontrol Sistemleri-I, Undergraduate, 2012 - 2013

Taşıt Kontrol Sistemleri, Postgraduate, 2011 - 2012

Taşıt Dinamiği, Postgraduate, 2010 - 2011

Genel Matematik-I, Undergraduate, 2010 - 2011

## Advising Theses

ESKİ İ., Farklı Boyutlardaki Ahşap Plakaların Macunlanma ve Boyama İşlemleri için Esnek Besleme ve İstifleme Ünitelerinin Tasarımı, Postgraduate, F.Demirci(Student), Continues

ESKİ İ., Aktif Direksiyon Sistemi ile Savrulma Dinamiği Kontrolü, Postgraduate, A.Temürlek(Student), 2012

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

- I. **Neural network and fuzzy logic-based hybrid attitude controller designs of a fixed-wing UAV**  
Ulus Ş., Eski İ.  
Neural Computing and Applications, vol.33, pp.8821-8843, 2021 (Journal Indexed in SCI)
- II. **Prediction of Walnut Mass Based on Physical Attributes by Artificial Neural Network (ANN)**  
**Prognose des Fruchtgewichts von Walnüssen anhand physikalischer Fruchteigenschaften mittels Künstlicher Neuronaler Netze**  
Demir B., ESKİ İ., GÜRBÜZ F., KUŞ Z. A. , Sesli Y., ERCİŞLİ S.  
Erwerbs-Obstbau, vol.62, no.1, pp.47-56, 2020 (Journal Indexed in SCI)
- III. **Prediction of damage parameters of a 3PL company via data mining and neural networks**  
Gürbüz F., Eski İ., Denizhan B., Dağlı C.  
JOURNAL OF INTELLIGENT MANUFACTURING, vol.30, pp.1437-1449, 2019 (Journal Indexed in SCI)
- IV. **Control of unmanned agricultural vehicles using neural network-based control system**  
ESKİ İ., KUŞ Z. A.  
Neural Computing and Applications, vol.31, pp.583-595, 2019 (Journal Indexed in SCI)
- V. **Controller design for upper limb motion using measurements of shoulder, elbow and wrist joints**  
ESKİ İ., KIRNAP A.  
NEURAL COMPUTING & APPLICATIONS, vol.30, no.1, pp.307-325, 2018 (Journal Indexed in SCI)
- VI. **Design of Neural Network Predictor for the Physical Properties of Almond Nuts**  
ESKİ İ., Demir B., GÜRBÜZ F., KUŞ Z. A. , Yılmaz K. U. , Uzun M., ERCİŞLİ S.  
ERWERBS-OBSTBAU, vol.60, no.2, pp.153-160, 2018 (Journal Indexed in SCI)
- VII. **Possible Use of Data Mining for Analysis and Prediction of Apple Physical Properties**  
Demir B., GÜRBÜZ F., ESKİ İ., KUŞ Z. A. , Yılmaz K. U. , ERCİŞLİ S.  
ERWERBS-OBSTBAU, vol.60, no.1, pp.1-7, 2018 (Journal Indexed in SCI)
- VIII. **Estimation of the Weights of Almond Nuts Based on Physical Properties through Data Mining**  
GÜRBÜZ F., Demir B., ESKİ İ., KUŞ Z. A. , Yılmaz K. U. , İLİKÇİOĞLU E., ERCİŞLİ S.  
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.46, no.2, pp.579-584, 2018 (Journal Indexed in

SCI)

- IX. **Neural network-based fuzzy inference system for speed control of heavy duty vehicles with electronic throttle control system**  
ESKİ I., YILDIRIM Ş.  
NEURAL COMPUTING & APPLICATIONS, vol.28, 2017 (Journal Indexed in SCI)
- X. **Estimation of the Colour Properties of Apples Varieties Using Neural Network**  
KUŞ Z. A. , Demir B., ESKİ I., GÜRBÜZ F., ERCİŞLİ S.  
ERWERBS-OBSTBAU, vol.59, no.4, pp.291-299, 2017 (Journal Indexed in SCI)
- XI. **Prediction of Physical Parameters of Pumpkin Seeds Using Neural Network**  
Demir B., ESKİ I., KUŞ Z. A. , ERCİŞLİ S.  
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.45, no.1, pp.22-27, 2017 (Journal Indexed in SCI)
- XII. **Design of Neural Network Control System for Controlling Trajectory of Autonomous Underwater Vehicles**  
ESKİ I., YILDIRIM Ş.  
INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS, vol.11, 2014 (Journal Indexed in SCI)
- XIII. **Design of neural network-based control systems for active steering system**  
ESKİ I., Temuerlenk A.  
NONLINEAR DYNAMICS, vol.73, no.3, pp.1443-1454, 2013 (Journal Indexed in SCI)
- XIV. **Design of adaptive neural predictor for failure analysis on hip and knee joints of humans**  
YILDIRIM Ş., ESKİ I., POLAT Y.  
NEURAL COMPUTING & APPLICATIONS, vol.23, no.1, pp.73-87, 2013 (Journal Indexed in SCI)
- XV. **Vibration analysis of drilling machine using proposed artificial neural network predictors**  
Eski I.  
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.26, no.10, pp.3037-3046, 2012 (Journal Indexed in SCI)
- XVI. **Fault detection on robot manipulators using artificial neural networks**  
ESKİ I., Erkaya S., SAVAŞ S., YILDIRIM Ş.  
ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING, vol.27, no.1, pp.115-123, 2011 (Journal Indexed in SCI)
- XVII. **Noise analysis of robot manipulator using neural networks**  
YILDIRIM Ş., ESKİ I.  
ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING, vol.26, no.4, pp.282-290, 2010 (Journal Indexed in SCI)
- XVIII. **Vibration analysis of an experimental suspension system using artificial neural networks**  
YILDIRIM Ş., ESKİ I.  
JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH, vol.68, no.6, pp.522-529, 2009 (Journal Indexed in SCI)
- XIX. **Vibration control of vehicle active suspension system using a new robust neural network control system**  
ESKİ I., Yildirim S.  
SIMULATION MODELLING PRACTICE AND THEORY, vol.17, no.5, pp.778-793, 2009 (Journal Indexed in SCI)
- XX. **Noise and Vibration Analysis of Car Engines using Proposed Neural Network**  
YILDIRIM Ş., Erkaya S., ESKİ I., UZMAY I.  
JOURNAL OF VIBRATION AND CONTROL, vol.15, no.1, pp.133-156, 2009 (Journal Indexed in SCI)
- XXI. **Force analysis of bearings on a modified mechanism using proposed recurrent hybrid neural networks**  
YILDIRIM Ş., ESKİ I., Kalkat M.  
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.22, no.7, pp.1323-1329, 2008 (Journal Indexed in SCI)
- XXII. **Design of neural predictor for noise analysis of passenger car's engines**  
Yildirim S., Erkaya S., ESKİ I., UZMAY I.  
JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH, vol.67, no.5, pp.340-347, 2008 (Journal Indexed in SCI)

- XXIII. **Sound quality analysis of cars using hybrid neural networks**  
YILDIRIM Ş., ESKİ İ.  
SIMULATION MODELLING PRACTICE AND THEORY, vol.16, no.4, pp.410-418, 2008 (Journal Indexed in SCI)
- XXIV. **Design of artificial neural network model for analysing of a self-acting parallel surface thrust bearing**  
Yildirim S., Eski I., Kurban A. O.  
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.59, pp.69-76, 2007 (Journal Indexed in SCI)
- XXV. **A QP artificial neural network inverse kinematic solution for accurate robot path control**  
Yildirim S., Eski I.  
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.20, no.7, pp.917-928, 2006 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Data Mining Approach For Prediction Of Fruit Color Properties**  
Demir B., GÜRBÜZ F., ESKİ İ., KUŞ Z. A.  
Atatürk Üniversitesi Ziraat Fakültesi Dergisi, vol.49, no.1, pp.37-43, 2018 (National Refreed University Journal)
- II. **PID Controller Design for Human Elbow Therapy**  
ESKİ İ., KIRNAP A., KIRNAP M.  
International Journal of Applied Mathematics, Electronics and Computers, vol.4, pp.282-285, 2016 (Refereed Journals of Other Institutions)
- III. **Gain Parameter Adjustment Methods Comparison of Controller for Autonomous Rehabilitation Device**  
ESKİ İ., KIRNAP A.  
International Journal of Applied Mathematics, Electronics and Computers, vol.4, pp.286-289, 2016 (Refereed Journals of Other Institutions)
- IV. **Otonom bir traktörün yörengesi kontrolü**  
ESKİ İ.  
Fırat Üniversitesi Sosyal Bilimler Dergisi, vol.28, no.2, pp.241-245, 2016 (National Refreed University Journal)

## Books & Book Chapters

- I. **Design of Artificial Neural Network Predictors in Mechanical Systems Problems**  
YILDIRIM Ş., TOPAL E. S., ESKİ İ.  
in: Design of Artificial Neural Network Predictors in Mechanical Systems Problems, Nova Publishers, Editor, Nova Publisher, Newyork, 2011
- II. **The Noise and Acceleration Analysis of an Experimental Robot Manipulator Using Radial Basis Function Neural Network**  
YILDIRIM Ş., ESKİ İ.  
in: New Development of Manufacturing Robotic Systems and Automation,, Zhang D., Gao Z., Editor, Bentham Science Publisher, Bussum, 2011
- III. **Noise and Acceleration Analysis of an Experimental Robot Manipulator Using Proposed Neural Networks**  
YILDIRIM Ş., ESKİ İ.  
in: New Development of Manufacturing Robotic Systems and Automation, Dhan Zhang, Zhen Gao, Editor, Bentham Science Publisher, Kanada, pp.1-36, 2011

## Refereed Congress / Symposium Publications in Proceedings

- I. **Thermal stresses analysis in cylinder head of a spark ignition engine fueled with ethanol-gasoline using artificial neural networks**  
YILDIRIM Ş., ESKİ İ., UZUNANU K.  
8th International Conference on Advanced Technologies, Saraybosna, Bosnia And Herzegovina, 26 - 30 August 2019, pp.39-45
- II. **Thermal Stress Analysis in Cylinder Head of A Spark Ignition Engine Fueled with Ethanol Gasoline Using Artificial Neural Networks**  
YILDIRIM Ş., ESKİ İ.  
8th International Conference on Advanced Technologies, 26 - 30 August 2019
- III. **Fruit Mass Estimator Based on Physical Attributes by Feed Forward Neural Network**  
demir B., ESKİ İ., GÜRBÜZ F., KUŞ Z. A.  
INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE, Kastamonu, Turkey, 26 April - 29 December 2018, vol.1, pp.508
- IV. **LATERAL AND LONGITUDINAL DYNAMICS CONTROL OF A FIXED WING UAV BY USING PID CONTROLLER**  
Ulus Ş., Eski İ.  
4th International Conference on Engineering and Natural Sciences (ICENS), Kyiv, Ukraine, 2 - 06 May 2018, pp.994-1002
- V. **VERİ MADENCİLİĞİ İLE ELMALARIN RENK ÖZELLİKLERİNİ TANIMLAMA**  
GÜRBÜZ F., ESKİ İ., DEMİR B., KUŞ Z. A.  
II. INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS (BILMES 2018), 5 - 08 July 2018
- VI. **MEYVELERDE FİZİKSEL ÖZELLİKLERİN TAHMİNİ**  
GÜRBÜZ F., ESKİ İ., KUŞ Z. A., DEMİR B.  
II. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 July 2018, pp.415
- VII. **PREDICTION OF DAMAGE PARAMETERS OF 3PLS COMPANIES USING ARTIFICIAL NEURAL NETWORKS**  
ESKİ İ., GÜRBÜZ F., Denizhan B.  
II. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 July 2018, vol.1, pp.784-788
- VIII. **PREDICTON THE KERNEL WEIGHT OF THE ALMOND NUT VIA FINDLAWS ENGINE**  
GÜRBÜZ F., ESKİ İ., DEMİR B., KUŞ Z. A.  
IV INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES (ICENS), 2 - 06 May 2018
- IX. **Design of Fuzzy Logic Controller for Dynamic State Variables of a Fixed Wing UAV**  
ULUS Ş., ESKİ İ.  
4th International Conference on Engineering and Natural Sciences, Kiev, Ukraine, 2 - 06 May 2018, pp.1
- X. **Lateral and Longitudinal Dynamics Control of a Fixed Wing UAV by using PID Controller**  
ULUS Ş., ESKİ İ.  
4TH INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCE, Kiev, Ukraine, 2 - 06 May 2018, vol.1, pp.994-1002
- XI. **Design of Fuzzy Logic Controller for Dynamic State Variables of a Fixed Wing UAV**  
Ulus Ş., Eski İ.  
4th. International Conference on Engineering and Natural Sciences (ICENS), Kyiv, Ukraine, 2 - 06 May 2018, pp.418
- XII. **Artificial Neural Network Structures to Forecast Physical Attributes of Different Agricultural Products**  
demir B., ESKİ İ., GÜRBÜZ F., KUŞ Z. A.  
INTERNATIONAL CONGRESS ON ENGINEERING AND LIFE SCIENCE, Kastamonu, Turkey, 26 - 29 April 2018, vol.1, pp.382
- XIII. **Control of front-wheel steering angle of unmanned agricultural vehicles with ANN-Based control system**  
KUŞ Z. A., ESKİ İ.  
International Conference on Technology, Engineering and Science, Antalya, Turkey, 26 October - 29 November 2017, pp.124

- XIV. **Neural network based PID controller design for human elbow therapy system**  
ESKİ I., KIRNAP A., KIRNAP M.  
International Conference on Advance in Science:ICAS2017, İstanbul, Turkey, 13 - 15 September 2017, vol.1, pp.147-153
- XV. **ESTIMATION OF PUMPKIN SEEDS PARAMETERS USING ARTIFICIAL NEURAL NETWORK**  
ESKİ I., Demir B., KUŞ Z. A.  
International Conference on Advance in Science:ICAS2017, İstanbul, Turkey, 13 - 15 September 2017, vol.1, pp.141-145
- XVI. **DESIGN OF NEURAL NETWORK ESTIMATOR FOR THE PHYSICAL PROPERTIES OF ALMOND NUTS**  
ESKİ İ., GÜRBÜZ F., DEMİR B., KUŞ Z. A.  
INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE: ICAS2017, İstanbul, Turkey, 13 - 15 September 2017, pp.146
- XVII. **Potential Use of General Regression Neural Network to Estimate Colour Parameters of Apples**  
DEMİR B., KUŞ Z. A. , ESKİ İ., GÜRBÜZ F.  
International Conference on Agriculture, Forest, Food,Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, pp.272
- XVIII. **Radial Basis Neural Networks (RBNN) for the Weight Prediction of Walnut (*Juglans regia* L.) Cultivars**  
KUŞ Z. A. , DEMİR B., GÜRBÜZ F., ESKİ İ.  
International Conference on Agriculture, Forest, Food,Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, pp.230
- XIX. **Adaptive Neuro-Fuzzy Inference System (ANFIS) Approach for Prediction of the Colour Features of Apple Fruits**  
DEMİR B., KUŞ Z. A. , ESKİ İ., GÜRBÜZ F.  
International Conference on Agriculture, Forest, Food,Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, pp.180
- XX. **Weight Prediction of Maras-18 Walnut (*Juglans regia* L.) Cultivar Using Modular and Radial Basis Neural Networks**  
KUŞ Z. A. , DEMİR B., GÜRBÜZ F., ESKİ İ.  
International Conference on Agriculture, Forest, Food,Sciences and Technologies, Nevşehir, Turkey, 15 - 17 May 2017, pp.283
- XXI. **ANGULAR DISPLACEMENT CONTROLLER DESIGN FOR HUMAN ELBOW PASSIVE THERAPEUTIC EXERCISES**  
ESKİ I., KIRNAP A., KIRNAP M.  
INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND ARTS ISTANBUL 2017, İstanbul, Turkey, 29 - 31 March 2017, pp.132-138
- XXII. **TORQUE CONTROL OF HUMAN WRIST THERAPY**  
ESKİ I., KIRNAP A., KIRNAP M.  
INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND ARTS ISTANBUL 2017, İstanbul, Turkey, 29 - 31 March 2017, pp.139-145
- XXIII. **PID Controller Design for Human Elbow Therapy**  
ESKİ I., KIRNAP A., KIRNAP M.  
International Conference on Advanced Technology & Sciences (ICAT'16), Konya, Turkey, 1 - 03 September 2016, pp.1011-1014
- XXIV. **Gain parameter adjusment methods comparison of controller for autonomous rehabilitation device**  
ESKİ İ., KIRNAP A.  
International conference on advanced technology&Science, Konya, Turkey, 1 - 03 September 2016, vol.1, pp.1015-1019
- XXV. **Gain Parameter Adjustment Methods Comparison of Controller for Autonomous Rehabilitation Device**  
ESKİ I., KIRNAP A.

- International Conference on Advanced Technology & Sciences (ICAT'16), Konya, Turkey, 1 - 03 September 2016, pp.1015-1019
- XXVI. **Desing of Neural Network Based Fuzzy Inference System for Speed Control of Heavy Duty Vehicles with Electronic Throttle Control System**  
ESKİ İ., YILDIRIM Ş.  
15th International Conference on Circuits, Systems, Electronics, Control & Signal Processing, İstanbul, Turkey, 15 April - 17 June 2016, vol.1, pp.128-132
- XXVII. **Design of neural predictor for vibration analysis of drilling machine**  
ESKİ İ.  
2ND INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 11 - 13 May 2016, vol.1, pp.166-170
- XXVIII. **DESIGN OF ROBUST CONTROL SYSTEM FOR CONTROLLING TRAJECTORY OF AUTONOMOUS TRACTOR**  
ESKİ İ.  
CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2016 – ICAME2016, İstanbul, Turkey, 11 - 13 May 2016, pp.326-330
- XXIX. **CONTROLLER DESIGN FOR PATIENTS WHO HAS MALFUNCTION AT EXTREMITY**  
ESKİ İ., KIRNAP A., KIRNAP M.  
CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2016 – ICAME2016, İstanbul, Turkey, 11 - 13 May 2016, pp.313-318
- XXX. **Control of Heavy Duty Vehicles with Electronic Throttle Control System**  
ESKİ İ., YILDIRIM Ş.  
15th International Conference on Circuits, Systems, Electronics, Control & Signal Processing (CSECS '16), 15 - 17 April 2016
- XXXI. **Control of Autonomous Underwater Vehicles using Neural Network Based Robust Control System**  
ESKİ İ., YILDIRIM Ş.  
15th International Conference on CIRCUITS, SYSTEMS, ELECTRONICS, CONTROL & SIGNAL PROCESSING (CSECS '16), İstanbul, Turkey, 15 - 17 April 2016, pp.157-181
- XXXII. **Design of Neural Network Based Fuzzy Inference System for Speed**  
ESKİ İ., YILDIRIM Ş.  
15th International Conference on Circuits, Systems, Electronics, Control & Signal Processing (CSECS '16), 15 - 17 April 2016
- XXXIII. **AKTİF DİREKSİYON SİSTEMİNİN KONTROLÜ İÇİN YAPAY SİNİR AĞI ESASLI KONTROL SİSTEMİ TASARIMI**  
ESKİ İ., Temürlenk A.  
17. ULUSAL MAKİNA TEORİSİ SEMPOZYUMU, İzmir, Turkey, 14 - 17 June 2015, pp.449-454
- XXXIV. **Otonom Sualtı Taşıtların Yörünge Kontrolü için Yapay Sinir Ağı Kontrol Sistemi Tasarımı**  
YILDIRIM Ş., ESKİ İ.  
Ulusal Makina Teorisi Sempozyumu 2015, İzmir, Turkey, 14 - 17 June 2015, pp.1-6
- XXXV. **Otonom Sualtı Taşıtların Yörünge Kontrolü İçin Yapay Sinir Ağı Kontrol Sistemi Tasarımı**  
ESKİ İ., YILDIRIM Ş., KIRNAP A.  
Uluslararası Katılımlı 17. Makina Teorisi Sempozyumu, Turkey, 14 - 17 June 2015, pp.746-753
- XXXVI. **SPEED RATIO CONTROL OF PULLEY BASED V-BELT TYPE CONTINUOUSLY VARIABLE TRANSMISSION (CVT) USING FUZZY LOGIC CONTROLLER**  
ESKİ İ., Gürgeç T.  
INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2015, İstanbul, Turkey, 13 - 15 May 2015, pp.783-790
- XXXVII. **Yapay Sinir ağları Kullanarak İnsan Kalça ve Diz Eklemlerinin Titreşim Analizi**  
YILDIRIM Ş., ESKİ İ., POLAT Y.  
Ulusal Makina Teorisi Sempozyumu 2013, Erzurum, Turkey, 12 - 13 September 2013, pp.254-262
- XXXVIII. **FAILURE ANALYSIS ON HIP AND KNEE JOINTS OF HUMANS USING PROPOSED FEED FORWARD NEURAL NETWORKS**

- YILDIRIM Ş., ESKİ İ., Polat Y.  
17th „Building Services, Mechanical and Building Industry Days”, Hungary, 1 - 04 October 2011, pp.1-17
- XXXIX. **Vibration Analysis of Food Industries Mixing Systems for Long life Using Neural Networks**  
YILDIRIM Ş., ERKAYA S., ESKİ İ., Geza H.  
2011 IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM2011), Hungary, 1 - 04 July 2011, pp.197-202
- XL. **Yapay Sinir Ağları Kullanarak Robot Manipulatörlerinde Hata Tespiti**  
YILDIRIM Ş., SAVAŞ S., ERKAYA S., ESKİ İ.  
15. Ulusal Makine Teorisi Sempozyumu (UMTS 2011), Niğde, Turkey, 1 - 04 June 2011, pp.325-333
- XLI. **DeneySEL Karıştırma İstasyonunun Yapay Sinir Ağı Kontrol Sistemi ile Debi Kontrolü**  
ESKİ İ.  
15. Ulusal Makine Teorisi Sempozyumu, Niğde, Turkey, 1 - 04 June 2011, pp.281-286
- XLII. **Adaptive Control of Flexible Link Robot Manipulators Using Proposed Neural Network Based Model Reference Adaptive Control System**  
Kalyoncu M., Tınkır M., ESKİ İ., YILDIRIM Ş.  
16th Building Services, Mechanical and Building Industry Days, International Conference, Hungary, 1 - 04 October 2010, pp.519-534
- XLIII. **Vibration Analysis of an Experimental Robot Manipulator Using Neural Network**  
ESKİ İ., ERKAYA S., SAVAŞ S., YILDIRIM Ş.  
15th Building Services, Mechanical and Building Industry Days, Debrecen, Hungary, 15 - 16 October 2009, pp.175-185
- XLIV. **Vibration analysis of an experimental robot manipulator using neural networks**  
ESKİ İ., ERKAYA S., SAVAŞ S., YILDIRIM Ş.  
15th Building Services, Mechanical and Building Industry days, Hungary, 1 - 04 October 2009, pp.175-185
- XLV. **Gürbüz Yapay Sinir Ağı Kontrol Sistemi Kullanarak Taşıt Aktif Süspansiyon Sisteminin Titreşim Kontrolü**  
ESKİ İ., YILDIRIM Ş.  
14. Ulusal Makine Teorisi Sempozyumu, Gazimagusa, Cyprus (Kkct), 1 - 04 July 2009, pp.153-163
- XLVI. **DeneySEL Yarı Aktif Süspansiyon Sistemi Tasarımı ve Titreşim Analizi**  
YILDIRIM Ş., ESKİ İ.  
14. Ulusal Makine Teorisi Sempozyumu, Gazimagusa, Cyprus (Kkct), 1 - 04 July 2009, pp.165-171
- XLVII. **İLERİ-GERİ BESLEMELİ KARMA YAPAY SİNİR AĞLARI KULLANARAK MODİFİYE EDİLMİŞ BİR MEKANİZMANIN YATAKLARINDAKİ KUVVET ANALİZİ**  
YILDIRIM Ş., ESKİ İ.  
XVI. Ulusal Mekanik Kongresi, Kayseri, Turkey, 1 - 04 June 2009, pp.1-8
- XLVIII. **Design of Neural Network Analyser for Vibration Prediction of a Robot Manipulator**  
YILDIRIM Ş., ESKİ İ.  
14th Building Services, Mechanical and Building Industry Days, International Conference, Hungary, 1 - 04 October 2008, pp.366-385
- XLIX. **Yapay Sinir Ağları Kullanarak Robot Manipulatörlerinde Gürültü Analizi**  
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