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Publons / Web Of Science ResearcherID: A-4345-2019

ScopusID: 7006442375

Yoksis Researcher ID: 2244

Education Information

Doctorate, University of Wales-University of Wales Institute, Cardiff, Engineering, Systems Engineering, United Kingdom 1994 - 1998

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey 1992 - 1993

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, Turkey 1989 - 1991

Undergraduate, Erciyes University, Mühendislik Fakültesi, Makina Müh., Turkey 1985 - 1989

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, E-LEARNING PROJESİ AB, DEBRECEN-OREDEA UNIVERSITY, 2012

Education Management and Planning, TUSSIDE, TUBİTAK-PROJE YÜRTÜCÜLERİ EĞİTİMİ, 2006

Research Areas

Information Systems, Communication and Control Engineering, Control and System Engineering, Simulation, Modelling and Identification, Mechanical Engineering, Machine Theory and Dynamics, Vehicle Systems Dynamics, Robotics, Mechatronics, Mechanical Vibrations, Engineering and Technology

Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Mekatronik Mühendisliği, 2009 - Continues

Associate Professor, Erciyes University, Mühendislik Fakültesi, Mekatronik Mühendisliği, 2004 - 2009

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 1999 - 2004

Academic and Administrative Experience

Academic and Administrative Experience

Erciyes Üniversitesi, Mühendislik Fakülltesi, Mekatronik Mühendisliği, 2006 - Continues

Erciyes Üniversitesi, Mühendislik Fakülltesi, 2006 - Continues

Erciyes Üniversitesi, Mühendislik Fakülltesi, Mekatronik Mühendiliği, 2006 - Continues

Erciyes University, 2006 - Continues

Erciyes University, 2006 - Continues

Erciyes Üniversitesi, Erciyes Üniversitesi Rektörlüğü, 2016 - 2019

Erciyes Üniversitesi, Havacılık ve Uzay Bilimleri Fakültesi, 2012 - 2016

Erciyes University, 2012 - 2016

Erciyes University, 2009 - 2015

Erciyes Üniversitesi, Mühendislik Fakültesi, 2011 - 2014

Erciyes Üniversitesi, Rektörlük, 2006 - 2009

Erciyes Üniversitesi, Mühendislik Fakülltesi, Makina Mühendiliği, 2003 - 2006

Courses

TAŞIMA SİSTEMLERİ, Undergraduate, 2013 - 2014

YSA MÜH.UYG., Postgraduate, 2013 - 2014

BİLG. DESTEKLİ SİST.DİN. VE KONTROLU, Postgraduate, 2012 - 2013

ROBOT TEKNOLOJİSİ, Undergraduate, 2012 - 2013

MEKATRONİK MÜHENDİSLİĞİNE GİRİŞ, Undergraduate, 2010 - 2011

MEKATRONİĞİN ESASLARI, Undergraduate, 2011 - 2012

Advising Theses

YILDIRIM Ş., GÖRME ENGELLİLER İÇİN MOBİL ROBOT TSASARIMI, YÖRÜNGE PLANLAMASI VE KONTROLÜ, Doctorate, S.SAVAŞ(Student), Continues

YILDIRIM Ş., YILANSI ROBOTUN DİNAMİK ANALİZİ VE YÖRÜNGE KONTROLÜ, Doctorate, E.YAŞAR(Student), 2017

YILDIRIM Ş., Pnömatik Devrelerde Optimum Tasarım ve YSA ile Titreşim Analizi, Postgraduate, A.BULGAN(Student), 2013

YILDIRIM Ş., Alti Bacakli Yürüyen Robotun Tasarimi ve Dinamik Analizi, Postgraduate, E.ARSLAN(Student), 2011

YILDIRIM Ş., Control of a Experimental Mobile Robot Using Adaptive Neural Control, Postgraduate, S.SAVAŞ(Student), 2010

YILDIRIM Ş., Suspension Sytem design and Control with Adaptive PID controller, Postgraduate, E.ESİM(Student), 2009

YILDIRIM Ş., Kinematic Analysis of 6 DOF robot using Neural Networks, Postgraduate, M.YILDIRIM(Student), 2008

YILDIRIM Ş., Deneysel aktif Süspasiyon Sistemi ve Kontrolü, Doctorate, İ.ESKİ(Student), 2006

YILDIRIM Ş., 3 DOF with 3 fingers design, production and intelligent control, Postgraduate, C.ŞAHİN(Student), 2002

Jury Memberships

Post Graduate, TEZ SAVUNMA SINAVI, ERCİYES ÜNİVERSİTESİ, May, 2013

Post Graduate, TEZ SAVUNMA SINAVI, ERCİYES ÜNİVERSİTESİ, March, 2013

Doctorate, DOKTORA TEZ SAVUNMA, SELÇUK ÜNİVERSİTESİ, September, 2010

Associate Professor Exam, Doçentlik Sınav Jürisi, ERCİYES, June, 2009

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Trajectory Analysis of 6-DOF Industrial Robot Manipulators by Using Artificial Neural Networks**
Çetinkaya M. B., Yıldırım K., Yıldırım Ş.
SENSORS, vol.24, no.13, pp.1-25, 2024 (SCI-Expanded)

II. **Vibration analysis and control of aircraft landing systems using proposed neural controllers**
YILDIRIM Ş., DURMUŞOĞLU A.
Neural Computing and Applications, vol.36, no.21, pp.13255-13268, 2024 (SCI-Expanded)

III. **Tuning the Proportional–Integral–Derivative Control Parameters of Unmanned Aerial Vehicles Using Artificial Neural Networks for Point-to-Point Trajectory Approach**
Ulu B., Savaş S., Ergin Ö. F., Ulu B., Kırnap A., Bingöl M. S., Yıldırım Ş.
SENSORS, vol.24, pp.1-19, 2024 (SCI-Expanded)

IV. **Deep Learning Based Apples Counting for Yield Forecast Using Proposed Flying Robotic System**
Yıldırım Ş., Ulu B.
SENSORS, vol.23, no.13, pp.1-14, 2023 (SCI-Expanded)

V. **Experimentally flight performances comparison of octocopter, decacopter and dodecacopter using universal UAV**
YILDIRIM Ş., Çabuk N., BAKIRCIOĞLU V.
Measurement: Journal of the International Measurement Confederation, vol.213, 2023 (SCI-Expanded)

VI. **VIBRATION ANALYSES OF RAILWAY SYSTEMS USING PROPOSED NEURAL PREDICTORS**
YILDIRIM Ş., Sevim Ç., Kalkat M.
Neural Network World, vol.33, no.3, pp.143-159, 2023 (SCI-Expanded)

VII. **DESIGN OF NEURAL PREDICTORS FOR PREDICTING AND ANALYSING COVID-19 CASES IN DIFFERENT REGIONS**
Yildirim Ş., Durmusoglu A., Sevim Ç., Bingol M. S., Kalkat M.
NEURAL NETWORK WORLD, vol.32, no.5, pp.233-251, 2023 (SCI-Expanded)

VIII. **<p>Experimental comparison of the effect of the number of redundant rotors on the fault tolerance performance for the proposed multilayer UAV </p>**
Bakircioglu V., ÇABUK N., YILDIRIM Ş.
ROBOTICS AND AUTONOMOUS SYSTEMS, vol.149, 2022 (SCI-Expanded)

IX. **Investigation of dynamic response of multi- carriages double bridge overhead type crane system subjected to the moving load**
Yıldırım Ş., Esim E.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.44, no.3, 2022 (SCI-Expanded)

X. **Vibration analysis of an experimental double bridge crane system with artificial neural networks**
Yıldırım Ş., Esim E.
JVC/Journal of Vibration and Control, vol.27, no.23-24, pp.2724-2737, 2021 (SCI-Expanded)

XI. **Design and trajectory control of universal drone system**
YILDIRIM Ş., Cabuk N., Bakircioglu V.
MEASUREMENT, vol.147, 2019 (SCI-Expanded)

XII. **ODE (Open Dynamics Engine) based stability control algorithm for six legged robot**
YILDIRIM Ş., ARSLAN E.
MEASUREMENT, vol.124, pp.367-377, 2018 (SCI-Expanded)

Articles Published in Other Journals

I. **DESIGN OF A PROPOSED NEURAL NETWORK FOR SOUND QUALITY ANALYSIS OF DIFFERENT TYPES FOR CAR SYSTEMS**
YILDIRIM Ş., BİNGÖL M. S.
International Journal of Mechatronics and Applied Mechanics, vol.2024, no.16, pp.76-81, 2024 (Scopus)

II. **OPTIMAL PID CONTROLLER DESIGN FOR TRAJECTORY TRACKING OF A DODECAROTOR UAV BASED ON GREY WOLF OPTIMIZER**
YILDIRIM Ş., ÇABUK N., BAKIRCIOĞLU V.
Konya mühendislik bilimleri dergisi (Online), vol.11, no.1, pp.10-20, 2023 (Peer-Reviewed Journal)

III. **Performance analysis of multi rotor drone systems with changeable rotors**
YILDIRIM Ş., Işci M.
International Review of Applied Sciences and Engineering, vol.14, no.1, pp.45-57, 2023 (Scopus)

IV. **DESIGN OF INTELLIGENT CRUISE CONTROLLER OF MOTOR VEHICLES**
YILDIRIM Ş., BİNGÖL M. S., SAVAŞ S.
International Journal of Mechatronics and Applied Mechanics, vol.2023, no.13, pp.193-197, 2023 (Scopus)

V. **NEURAL PREDICTOR DESIGN FOR COVID-19 CASES IN DIFFERENT REGIONS**
YILDIRIM Ş., Durmusoglu A., Sevim C., BİNGÖL M. S., Kalkat M.
International Journal of Mechatronics and Applied Mechanics, vol.2023, no.14, pp.14-18, 2023 (Scopus)

VI. **Dört Rotorlu Uçan Robotik Sistem Üzerinden Sinir Ağı Kullanılarak Nesne Tespit Edilmesi**
Yıldırım Ş., Ulu B.
Fırat Üniversitesi Uzay ve Savunma Teknolojileri dergisi, vol.1, no.1, pp.133-136, 2022 (Peer-Reviewed Journal)

VII. **Design, Modelling and Control of an Eight-Rotors UAV with Asymmetric Configuration for Use in Remote Sensing Systems**
ÇABUK N., YILDIRIM Ş.
JOURNAL OF AVIATION, 2021 (Peer-Reviewed Journal)

VIII. **Design of a mobile robot to work in hospitals and trajectory planning using proposed neural networks predictors**
YILDIRIM Ş., SAVAŞ S.
International Journal of Mechatronics and Applied Mechanics, vol.1, no.9, pp.159-167, 2021 (Scopus)

IX. **Classification of Mushroom Data Set by Ensemble Methods**
YILDIRIM Ş., BİNGÖL M. S.
Recent Innovations in Mechatronics, vol.7, no.1, 2020 (Peer-Reviewed Journal)

X. **Angular Position Control of 3-Cars Crane System Using Proposed Fuzzy-PID Controller**
YILDIRIM Ş., GÖRDEBİL A.
Recent Innovations in Mechatronics, vol.7, no.1, 2020 (Peer-Reviewed Journal)

XI. **Trajectory Control of Designed Experimental Mobile Robot**
YILDIRIM Ş., EREN B.
Recent Innovations in Mechatronics, vol.7, no.1, 2020 (Peer-Reviewed Journal)

XII. **Altı Rotorlu ve Sekiz Rotorlu İnsansız Hava Araçlarının Farklı Bozucu Etki Altında Uçuş Performanslarının Karşılaştırılması**
YILDIRIM Ş., ÇABUK N., BAKIRCIOĞLU V.
Konya Journal of Engineering Sciences, vol.8, no.3, pp.552-562, 2020 (Peer-Reviewed Journal)

XIII. **Modelling and Control of Proposed Two Dodecacopter Systems**
YILDIRIM Ş., ÇABUK N., BAKIRCIOĞLU V.
International Journal of Applied Mathematics Electronics and Computers, 2020 (Peer-Reviewed Journal)

XIV. **Control of air flow temperature and pressure inthe pipelines with PID**
YILDIRIM Ş., GÖÇER A.
International Review ofApplied Sciences andEngineering, vol.11, no.2, pp.167-173, 2020 (Scopus)

XV. **Modal Analysis of Double Beam Overhead Type Crane Systems by Finite Element Method**
Yıldırım Ş., Esim E.
Konya Mühendislik Bilimleri Dergisi, vol.7, no.0, pp.975-988, 2019 (Peer-Reviewed Journal)

XVI. **A Comparison of Six Legged ODE (Open Dynamics Engine) Based Gait control Algorithm and Standard Walking Gaits**
YILDIRIM Ş., ARSLAN E.
Avrupa Bilim ve Teknoloji Dergisi, 2019 (Peer-Reviewed Journal)

XVII. **Effects of the geometric shape and placing length of a fiber post on the stress distribution in a mandibular premolar tooth: A finite element analysis study**
ASLAN T., ESİM E., KILIÇ K., ER Ö., YILDIRIM Ş.
International Dental Research, vol.8, no.3, pp.105-110, 2018 (Peer-Reviewed Journal)

XVIII. **ODE (Open Dynamics Engine) Based Walking Control Algorithm for Six Legged Robot**

YILDIRIM Ş., ARSLAN E.

JOURNAL OF NEW RESULTS IN SCIENCE (JNRS), vol.7, no.2, pp.35-46, 2018 (Peer-Reviewed Journal)

XIX. **Design of Neural Predictor for Performance Analysis of Mountain Bicycles**

YILDIRIM Ş., KALKAT M.

Recent Innovations in Mechatronics (RIiM), vol.5, no.1, 2018 (Peer-Reviewed Journal)

XX. **YAPAY SİNİR AĞLARI KULLANARAK DOKUMA MAKİNALARINDA TIĞ MEKANİZMALARININ KİNEMATİK ANALİZİ**

YILDIRIM Ş., SU Ş., UZMAY İ.

ERCİYES ÜNİVERSİTESİ FEN B,İLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.20, pp.13-19, 2004 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Multi-Rotors Universal Drone System**

Yıldırım Ş., Çabuk N.

in: Advanced in Engineering Research, Victoria M. Petrova, Editor, Nova Publisher, New York, pp.137-164, 2022

II. **Parameter Tuning of ODE-based Walking Control Algorithm for a Six Legged Mobile Robot**

Yıldırım Ş., Arslan E.

in: IFToMM for Sustainable Development Goals, Giuseppe Quaglia,Alessandro Gasparetto,Victor Petuya,Giuseppe Carbone, Editor, Springer, London/Berlin , Dubendorf, pp.553-561, 2021

III. **A Proposed Trajectory Planning Algorithm for Mobile Robot Navigation Based on A* Algorithm**

Yıldırım Ş., Savaş S.

in: Handbook of Research on Advanced Mechatronic Systems and Intelligent Robotics, Maki K. Habib, Editor, IGI GLOBAL, Cairo, pp.361-376, 2019

IV. **Tracking Control of a Nonholonomic Mobile Robot Using Neural Network**

Yıldırım Ş., Savaş S.

in: Handbook of Research on Advancements in Robotics and Mechatronics, Habib Maki K., Editor, IGI Global, Cairo, pp.631-661, 2015

V. **Analysing Of Flying Conditions Of Aircrafts Using Artificial Neural Networks**

YILDIRIM Ş., ERKAYA S.

in: New Trends in Mechanism and Machine Science, Flores P. Viadero F., Editor, Springer, London/Berlin , Porto, pp.721-731, 2014

VI. **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

Refereed Congress / Symposium Publications in Proceedings

I. **Intelligent Mechatronic Systems Applications in Engineering**

Yıldırım Ş.

Advances in Design, Simulation and Manufacturing V, Poznan, Poland, 7 - 10 June 2022, pp.123-134

II. **Investigation of the SLAM Performance of the Multirotor MAV Developed for the Analysis of Orchards**

YILDIRIM Ş., ULU B.

International Conference on Reliable Systems Engineering, ICoRSE 2022, Virtual, Online, 8 - 09 September 2022, vol.534 LNNS, pp.247-254

III. **Examination of the Effect of Hyperparameters on Object Detection in the Orchard Using Deep Learning**

YILDIRIM Ş., ULU B.

International Conference on Reliable Systems Engineering (ICoRSE) - 2023, Bucharest, Romania, 7 - 08 September 2023, vol.762 LNNS, pp.616-621

IV. **Parameter Tuning of ODE-Based Walking Control Algorithm for a Six Legged Mobile Robot**
YILDIRIM Ş., ARSLAN E.
1st IFToMM for Sustainable Development Goals workshop (I4SDG), ELECTR NETWORK, 25 - 26 November 2021, vol.108, pp.553-561

V. **Askı tip krenlerde kaldırma grubu dinamik analizi**
YILDIRIM Ş., ESİM E.
20. Ulusal Makina Teorisi Sempozyumu(UMTS 2021), Diyarbakır, Turkey, 15 September 2021, pp.80-89

VI. **PARALEL ÇÖZÜMLEME DESTEKLİ YÜRÜYÜŞ SİMÜLATÖRÜ**
Yıldırım Ş., Arslan E.
20. ULUSAL MAKİNA TEORİSİ SEMPOZYUMU, Diyarbakır, Turkey, 15 - 17 September 2021, pp.41-49

VII. **Design of a Mobile Robot to Work in Hospitals and Trajectory Planning Using Proposed Neural Networks Predictors**
YILDIRIM Ş., SAVAŞ S.
THE FIRST INTERNATIONAL CONFERENCE ON RELIABLE SYSTEMS ENGINEERING, Romania, 09 September 2021

VIII. **Experimental Investigation of the Effect of Mass Load on Flight Performance of an Octorotor and Dodecarotor UAV**
YILDIRIM Ş., BAKIRCIOĞLU V., ÇABUK N.
International Conference Innovation In Engineering, Portugal, 28 June 2021

IX. **Controller Gain Tuning of a Nonholonomic Mobile Robot via Neural Network Predictor**
Yıldırım Ş., Savaş S., Andruskıene J.
The 25th International Conference ELECTRONICS 2021, Kaunas, Lithuania, 14 - 16 June 2021, pp.1-6

X. **Machine Design for Hardness Measurement of Universal Mattress**
YILDIRIM Ş.
4th International Symposium on Innovative Approaches Engineering and Natural Science, 22 - 24 November 2019

XI. **Borularda Hava Akış Sıcaklık Ve Basıncının PID İle Kontrolü**
Yıldırım Ş., Göçer A.
19. Ulusal Makina Teorisi Sempozyumu (UMTS 2019), Hatay, Turkey, 4 - 06 September 2019, pp.19-29

XII. **TASARLANMIŞ DENEYSEL BİR MOBİL ROBOTUN YÖRÜNGE KONTROLÜ**
YILDIRIM Ş., EREN B.
19. ULUSAL MAKİNE TEORİSİ SEMPOZYUMU (UMTS), Hatay, Turkey, 4 - 06 September 2019, pp.189-198

XIII. **GELİŞTİRİLEN SİNİR AĞI MODELİ İLE TESPİT EDİLEN KAYNAKYÖRÜNGESİ İÇİN İDEAL EKLEM AÇILARININ BELİRLENMESİ**
YILDIRIM Ş., ULU B.
19. Ulusal Makina Teorisi Sempozyumu, Turkey, 4 - 06 September 2019

XIV. **Çift Köprülü Askı Tip Kren Sistemlerinin Sonlu Elemanlar Metodu İle Modal Analizi**
YILDIRIM Ş., ESİM E.
19. Ulusal Makina Teorisi Sempozyumu (UMTS 2019), Hatay, Turkey, 4 - 06 September 2019, pp.265-274

XV. **Design and Control of a Proposed Multi-Propeller System**
YILDIRIM Ş., ÇABUK N., BAKIRCIOĞLU V.
8h International Conference on Advanced Technologies, 26 - 30 August 2019

XVI. **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

XVII. **Thermal stresses analysis in cylinder head of a spark ignition engine fueled with ethanol-gasolineusing artificial neural networks**
YILDIRIM Ş., ESKİ İ., UZUNEANU K.
8th International Conference on Advanced Technologies, Saraybosna, Bosnia And Herzegovina, 26 - 30 August 2019, pp.39-45

XVIII. **Performance Analysis of Pelton Turbines Using Proposed Neural Networks Predictors**
YILDIRIM Ş., ÇİL M., BİNGÖL M. S.
International Conference on Computational Methods in applied Sciences, 12 - 16 July 2019

XIX. **Pnömatik devrelerde Optimum Tasarım ve YSA ile Tireşim Analizi**
YILDIRIM Ş., BULGAN A.
18. Ulusal Makina Teorisi Sempozyumu, Turkey, 5 - 07 July 2017

XX. **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

XXI. **Fracture resistance of oval and circular dowels used in oval root canals**
KILINÇ H. İ., ASLAN T., KILIÇ K., ER Ö., ESİM E., YILDIRIM Ş.
39th Annual Conference of the European Prosthodontic Association, Prag, Czech Republic, 3 - 05 September 2015

XXII. **Adaptive PID Controller for Experimental Two degrees of Freedom Suspension System**
YILDIRIM Ş., ESİM E.
16th Building Services, 14 - 15 October 2010, pp.551-562

XXIII. **Bir Prototip Süspansiyon Sistemi İçin Adaptif Kontrol Organı Tasarımı**
YILDIRIM Ş., ESİM E.
15. Ulusal Makine Teorisi Sempozyumu, Turkey, 16 - 18 June 2011, pp.609-616

XXIV. **A neural based position controller for an electrohydraulic servo system**
YILDIRIM Ş., Erkaya S., UZMAY İ., Kalkat M.
11th WSEAS International Conference on Robotics, Control and Manufacturing Technology, ROCOM'11, 11th WSEAS International Conference on Multimedia Systems and Signal Processing, MUSP'11, Venice, Italy, 8 - 10 March 2011, pp.31-38

XXV. **Robotik Iş Birimlerinin Simülasyonunda Esaslar**
SARIKAYA H., UZMAY İ., YILDIRIM Ş.
5.Ulusal Makina Tasarım ve İmalat Kongresi, Ankara, Turkey, 16 - 18 September 1992

Other Publications

I. **Design and Dynamic Analysis of Six Legged Walking Robot**
YILDIRIM Ş., ARSLAN E.
Other, pp.112-117, 2012

Supported Projects

YILDIRIM Ş., ÇABUK N., BAKIRCIOĞLU V., Project Supported by Higher Education Institutions, Motor Sayısı Değiştirilebilir Çok Rotorlu Drone Tasarımı ve Uygulaması, 2017 - 2020

YILDIRIM Ş., SAVAŞ S., Project Supported by Higher Education Institutions, Görme Engelliler için Mobil Robot Tasarımı, Yörünge Planlaması ve Kontrolü, 2012 - 2019

YILDIRIM Ş., ULU B., Project Supported by Higher Education Institutions, Endüstriyel Robotlarda Kaynak Yörüngesinin Analizi ve Kontrolü, 2016 - 2017

Ulu B., Yıldırım Ş., Project Supported by Higher Education Institutions, Endüstriyel Robotlarda Kaynak yörünge analizi ve kontrolu, 2016 - 2017

GÜRGAN C. A., YILDIRIM Ş., ESİM E., TEMEL T., SAVAŞ S., SARI M. Y., Project Supported by Higher Education Institutions, Dişeti Morfometrik Değerlendirmelerinde Bilgisayar Destekli Standardize Dijital Fotografik Görüntüleme Yönteminin Güvenilirlik ve Tutarlılığının Değerlendirilmesi için PLC Kontrollü Tam Otomasyonlu Sistem Tasarımı ve Gerçekleştirilmesi, 2015 - 2017

YILDIRIM Ş., SU Ş., ESİM E., Project Supported by Higher Education Institutions, Askı Tip Kren Sistemlerinin Farklı Hareket Koşullarında Deneysel olarak Dinamik Analizi Ve Salınım Kontrolü, 2015 - 2017

YILDIRIM Ş., YAŞAR E., Project Supported by Higher Education Institutions, YILAN TİPİ ROBOT TASARIMI, PROTATİPİ VE YÖRÜNGE ANALİZİ, 2014 - 2016

SU Ş., YILDIRIM Ş., KALKAT M., SEVİM Ç., Project Supported by Higher Education Institutions, Zeki Hemzemin Geçiti Tasarımı, Prototip Gerçekleştirilmesi Ve Kontrolü, 2014 - 2016

YILDIRIM Ş., ŞENEL S., KANAAN M., ERKAYA S., SAVAŞ S., YAMAÇLI S., Project Supported by Higher Education Institutions, Hastane Ortamında Hastalara Yardımcı Olacak Bir Mobil Robotun (HAYAMOR) Tasarlanması ve Gerçekleştirilmesi., 2013 - 2016

YILDIRIM Ş., ESKİ İ., POLAT Y., Project Supported by Higher Education Institutions, Yapay Sinir Ağları kullanarak, insan kalça ve diz eklemlerinin deneysel gürültü analizi, 2010 - 2012

UZMAY İ., YILDIRIM Ş., ERKAYA S., ESKİ İ., Project Supported by Higher Education Institutions, MEKATRONİK MÜHENDİSLİĞİ BÖLÜMÜ ENDÜSTRİYEL TEKNOLOJİLER ARAŞTIRMA, UGULAMA VE EĞİTİM MERKEZİ ALT YAPI PROJESİ., 2007 - 2008

YILDIRIM Ş., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, MEKATRONİK SİSTEMLER, 2005 - 2008

YILDIRIM Ş., ESKİCİ İ., Project Supported by Higher Education Institutions, YAPAY SİNİR AĞI DENETİM ORGANI KULLANARAK, TAŞITLARDA AKTİF SÜSPANSİYON SİSTEMİ VE ANTİ-BLOKAJ SİSTEMİ (ABS) KONTROLÜ., 2005 - 2007

YILDIRIM Ş., Project Supported by Higher Education Institutions, YAPAY SİNİR AĞLARI KULLANARAK ESNEK İMALAT SİSTEMİ DİZAYNI VE KONTROL UYGULAMASI, 2005 - 2007

YILDIRIM Ş., Project Supported by Higher Education Institutions, YAPAY SİNİR AĞLARI KULLANARAK TAŞITLARDA AKTİF SÜSPANSİYON SİSTEMİNİN KONTROLÜ, 2004 - 2006

YILDIRIM Ş., TUBITAK Project, TAŞITLARDA ZEKİ AKTİF SÜSPANSİYON SİSTEMİ TASARIMI VE KONTROLÜ, 2004 - 2006

YILDIRIM Ş., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, YAPAY SİNİR AĞLARI KULLANARAK ESENEK İMALAT SİSTEMİ DİZAYNI VE KONTROL EDİLMESİ, 2002 - 2005

Activities in Scientific Journals

International Journal of Advanced Robotic Systems, Assistant Editor/Section Editor, 2012 - Continues
WSEAS Transactions on Systems, Evaluation Committee Member, 2011 - Continues
INTERNATIONAL REVIEW OF APPLIED SCIENCES AND ENGINEERING, Publication Committee Member, 2011 - Continues
INTERNATIONAL JOURNAL OF SIMALATION AND PRACTICE THEORY, Evaluation Committee Member, 2010 - Continues
Journal of Sound and Vibration, Evaluation Committee Member, 2010 - Continues
ROBOTICS AND AUTOMATION SYSTEMS, Evaluation Committee Member, 2010 - Continues
ROBOTICS-COMPUTERAIDED MANUFACTURING, Evaluation Committee Member, 2009 - Continues
13th WSEAS Int. Conf. on MATHEMATICAL and COMPUTATIONAL METHODS in SCIENCE and ENGINEERING, Evaluation Committee Member, 2009 - Continues
MECHATRONICS, Evaluation Committee Member, 2009 - Continues
Applied Mathematical Modelling, Evaluation Committee Member, 2009 - Continues
JOURNAL OF MECHANISM AND THEORY, Publication Committee Member, 2009 - Continues
JOURNAL OF SIMULATION PRACTICE AND THEORY, Evaluation Committee Member, 2009 - Continues
Journal of Engineering, Design and Technology, Evaluation Committee Member, 2009 - Continues
JOURNAL OF SOUND AND CONTROL, Evaluation Committee Member, 2009 - Continues
NONLINEAR DYNAMICS, Evaluation Committee Member, 2009 - Continues
MECHANISMS AND MACHINE THEORY, Publication Committee Member, 2009 - Continues
COMPUTING AND ELECTRONICS ENGINEERING, Evaluation Committee Member, 2007 - Continues
The Arabian Journal for Science and Engineering, Evaluation Committee Member, 2007 - Continues
IEEE ELECTRONICS, Evaluation Committee Member, 2007 - Continues
Computers and Mathematics with Applications, Evaluation Committee Member, 2007 - Continues
Journal of Mechanical Science and Technology, Evaluation Committee Member, 2007 - Continues

Memberships / Tasks in Scientific Organizations

MAKİNA TEORİSİ DERNEĞİ, Member, 2013 - Continues
the 20 International Conference on Mechatronics and Machine Vision and Practice, Consultant, 2013 - Continues
MeMÖK 2014, Member, 2014 - 2014
SAE INTERNATIONAL, Member, 2010 - 2011
IEEE, Member, 2002 - 2003

Scientific Refereeing

MEASUREMENT, SCI Journal, September 2018
NONLİNEAR DYNAMICS, SCI Journal, August 2018
NEURAL COMPUTING AND APPLICATIONS, SCI Journal, May 2018
SHOCK AND VIBRATION, SCI Journal, February 2018
MEASUREMENT, SCI Journal, July 2017
MEASUREMENT, SCI Journal, June 2017
MEASUREMENT, SCI Journal, May 2017
Measurement, SCI Journal, April 2017
TURKISH JOURNAL OF ELECTRICAL&COMPUTER ENGINEERING, SCI Journal, October 2013
NONLINEAR DYNAMICS, SCI Journal, October 2013
JOURNAL OF CONTROL SCIENCE AND ENGINEERING, SCI Journal, August 2013
Engineering Applications of Artificial Intelligence, SCI Journal, July 2013
The Arabian Journal for Science and Engineering, SCI Journal, May 2013
INTERNATIONAL JOURNAL OF MANUFACTURING ENGINEERING, SCI Journal, April 2013
MECHATRONICS, SCI Journal, July 2011
MECHANISM AND THEORY, SCI Journal, May 2008

Metrics

Publication: 246
Citation (WoS): 611
Citation (Scopus): 665
H-Index (WoS): 13
H-Index (Scopus): 15

Congress and Symposium Activities

VIII. INTERNATIONAL ICONTECH CONFERENCE ON INNOVATIVE SURVEYS IN POSITIVE SCIENCES, Invited Speaker, Baku, Azerbaijan, 2024
International Conference on Reliable Systems Engineering (ICoRSE) - 2023, Invited Speaker, Bucuresti, Romania, 2023
EEMC'17, Invited Speaker, Debrecen, Hungary, 2017
ULUSAL MAKİNA TEORİSİ SEMPOZYUMU, Attendee, İZMİR, Turkey, 2015
TET PROJE PAZARI, Attendee, Turkey, 2015
Building Services, Mechanical, and Building Industry Days Conference, Debrecen (Hungary), Invited Speaker, Hungary, 2014
TET PROJE PAZARI, Attendee, Turkey, 2014
EGE IHRACATCILARI BİRLİĞİ PROJE PAZARI, Attendee, Turks And Caicos Islands, 2013
ULUSAL MAKİNA TEORİSİ SEMPOZYUMU 13, Attendee, ERZURUM, Turkey, 2013

METALİK FİKİRLER PROJE PAZARI, Attendee, İstanbul, Turkey, 2013

MAKİNA VE AKSALARI PROJE PAZARI, Attendee, Turkey, 2013

PROJE PAZARI ÇALIŞTAYI, Attendee, İstanbul, Turkey, 2012

WSEAS 2011, VENICE, Invited Speaker, Italy, 2011

ROCOM '11, Invited Speaker, Romania, 2011

Building Services, Mechanical, and Building Industry Days Conference, Debrecen (Hungary), Session Moderator, Hungary, 2011

ULUSAL MAKINA TEORISI SEMPOZYUMU, Attendee, NİĞDE, Turkey, 2011

IEEE AIM 2011, BUDAPEST, Invited Speaker, Hungary, 2011

ULUSAL MAKİNA TEORİSİ SEMPOZYUMU UMTS2011, NİĞDE, Invited Speaker, Turkey, 2011

Building Services, Mechanical, and Building Industry Days Conference, Debrecen (Hungary), Session Moderator, Hungary, 2010

Building Services, Mechanical, and Building Industry Days Conference, Debrecen (Hungary), Session Moderator, Hungary, 2009

ULUSAL MAKİNA TEORİSİ SEMPOZYUMU UMTS2009, KIBRIS, Session Moderator, Turkey, 2009

ULUSAL MAKINA TEORISI SEMPOZYUMU, Attendee, KIBRIS-GİRNE, Turkey, 2009

SAE 2009, DETROIT USA, Invited Speaker, United States Of America, 2009

Building Services, Mechanical, and Building Industry Days Conference, Debrecen (Hungary), Session Moderator, Hungary, 2008

ULUSAL MAKINA TEORISI SEMPOZYUMU, Attendee, SİVAS, Turkey, 2007

ULUSAL MAKİNA TEORİSİ SEMPOZYUMU, UMTS 2007, Session Moderator, Sivas, Turkey, 2007

PROJE YÜRÜTÜCÜLERİ PROJE YÖNETİMİ ÇALIŞMA PROĞRAMI-TUSSİDE, Attendee, Turkey, 2006

ULUSAL MAKINA TEORISI SEMPOZYUMU, Attendee, KAYSERİ, Turkey, 2005

ULUSAL MAKİNA TEORİSİ SEMPOZYUMU UMTS2005, Session Moderator, Kayseri, Turkey, 2005

Scholarships

ESEP Bursu / 2005, TUBITAK, 2005 - Continues

Awards

YILDIRIM Ş., FULLY AUTOMATED DENTAL MEASURING SYSTEM, IRES, August 2015

YILDIRIM Ş., SEVİM Ç., EN İYİ SUNUMLU BİLDİRİ ÖDÜLÜ, ICSMET 2015, March 2015

YILDIRIM Ş., MOBİLYA PROJE PAZARI, AKDENİZ İHRACATCILARI BİRLİĞİ, June 2013

YILDIRIM Ş., AVRUPA BİRLİĞİ PROJESİ BAŞARI ÖDÜLÜ, DEBRECEN VE ORDEA ÜNİVERSİTESİ, October 2012

YILDIRIM Ş., Bilimsel Çalışma Ödülü / 2011, Erciyes Üniversitesi, May 2011

YILDIRIM Ş., Onur Ödülü / 2009, Debrecen Üniversitesi, May 2009

YILDIRIM Ş., Bilimsel Yayın Ödülü, Erciyes Üniversitesi, May 2005

Non Academic Experience

CARDIFF UNIVERSITY