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Education Information

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Turkey 2012 - 2018

Dissertations

Doctorate, Çoklu gezgin robot sistemleri için güvenilirlik tabanlı rota planlama, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, 2018

Postgraduate, İç ortamlar için konumlandırma sistemi geliştirilmesi, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, 2012

Research Areas

Computer Learning, Neural Networks, Software Engineering, Robotics

Academic Titles / Tasks

Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Yazılım Mühendisliği, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Mutation Based White Box Testing of Deep Neural Networks**
Cetiner G., YAYAN U., YAZICI A.
IEEE Access, vol.12, pp.160156-160174, 2024 (SCI-Expanded)
- II. **ROSMutation: Mutation Based Automated Testing for ROS Compatible Robotic Software**
YAYAN U.
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.23, no.3, pp.47-56, 2023 (SCI-Expanded)
- III. **Tailored mutation-based software fault injection tool (IM-FIT)**
YAYAN U., Baglum C.

SoftwareX, vol.23, 2023 (SCI-Expanded)

- IV. **Generating Python Mutants from Bug Fixes using Neural Machine Translation**
Aşık S., Yayan U.
IEEE Access, vol.11, pp.85678-85693, 2023 (SCI-Expanded)
- V. **Prognostics-aware multi-robot route planning to extend the lifetime**
Yayan U., Yazıcı A., Sarıçiçek İ.
KUWAIT JOURNAL OF SCIENCE, vol.49, no.4, pp.1-20, 2022 (SCI-Expanded)
- VI. **A Novel Method for SoH Prediction of Batteries Based on Stacked LSTM with Quick Charge Data**
YAYAN U., Arslan A. T., Yucel H.
Applied Artificial Intelligence, vol.35, pp.421-439, 2021 (SCI-Expanded)
- VII. **RELIABILITY-BASED MULTI-ROBOT ROUTE PLANNING**
Yayan U., YAZICI A.
INTERNATIONAL JOURNAL OF ROBOTICS & AUTOMATION, vol.34, no.3, pp.266-272, 2019 (SCI-Expanded)
- VIII. **A Multi-Criteria Decision Strategy to Select a Machine Learning Method for Indoor Positioning System**
YAZICI A., BOZKURT KESER S., GÜNAL S., Yayan U.
INTERNATIONAL JOURNAL ON ARTIFICIAL INTELLIGENCE TOOLS, vol.27, no.5, 2018 (SCI-Expanded)
- IX. **A Low Cost Ultrasonic Based Positioning System for the Indoor Navigation of Mobile Robots**
Yayan U., Yucel H., YAZICI A.
JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, vol.78, pp.541-552, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **A New Dimension of Learning: Exploring the Impact of XR4HRC on Training Efficacy**
Yayan K., Esen Y. E., Yayan U.
ERCIM NEWS, no.137, pp.32-34, 2024 (ESCI)
- II. **VERIFICATION AND VALIDATION OF CAMERA-BASED ROBOTIC INSPECTION SYSTEM WITH CAMERA FAULT INJECTION TOOL**
Erdogmus A. K., Yayan U.
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.32, no.1, pp.1159-1168, 2024 (Peer-Reviewed Journal)
- III. **A NEW MODEL ON BENTHIC FORAMINIFER IMAGE CLASSIFICATION AND DEFINITIONS BASED ON CONVENTIONAL NEURAL NETWORK (CNN)**
OKUR K., YAYAN U.
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.31, no.1, pp.481-490, 2023 (Peer-Reviewed Journal)
- IV. **DEVELOPMENT OF A FAULT INJECTION TOOL & DATASET FOR VERIFICATION OF CAMERA BASED PERCEPTION IN ROBOTIC SYSTEMS**
YAYAN U., Erdoğan A. K.
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.30, no.3, pp.328-339, 2022 (Peer-Reviewed Journal)
- V. **Development of Virtual Robotic Laboratory and Materials for Education and Research**
Erdoğan A. K., YAYAN U.
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.9, no.1, pp.514-540, 2022 (Peer-Reviewed Journal)
- VI. **Manipulation of Camera Sensor Data via Fault Injection for Anomaly Detection Studies in Verification and Validation Activities For AI**
Erdoğan A. K., Karaca M., YAYAN U.
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- VII. **Endüstriyel Robot Hareket Planlama Algoritmaları Performans Karşılaştırması**
Erdoğan A. K., Yayan U.

Journal of Scientific Technology and Engineering Research, vol.2, no.2, pp.31-45, 2021 (Peer-Reviewed Journal)

- VIII. **Verification and validation of an automated robot inspection cell for automotive body-in-white: a use case for the VALU3S ECSEL project**
Kanak A., Ergün S., Yazıcı A., Özkan M., Çokünlü G., Yayan U.
Open Research Europe, vol.1, no.115, pp.1-20, 2021 (Scopus)
- IX. **Robot Operating System Compatible Mobile Robots for Education and Research**
Yayan U., Erdoğan A. K.
Advances in Robotics & Automation, vol.10, no.5, pp.1-5, 2021 (Peer-Reviewed Journal)
- X. **Wi-Fi Based Indoor Positioning System For Mobile Robots By Using Particle Filter**
Yücel H., ELİBOL SEÇİL G., YAYAN U.
Arxiv, pp.1-12, 2020 (Non Peer-Reviewed Journal)
- XI. **ROS Based Visual Programming Tool for Mobile Robot Education and Applications**
Karaca M., YAYAN U.
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- XII. **Prognostic and Health Management (PHM) tool for Robot Operating System (ROS)**
Gençtürk H., Erdoğan E., Karaca M., YAYAN U.
Arxiv, pp.1-24, 2020 (Non Peer-Reviewed Journal)
- XIII. **A priori verification and validation study of RfKON database**
BOZKURT KESER S., Yayan U., YAZICI A., GÜNAL S.
International Journal of Computer Science: Theory and Application, vol.5, pp.20-27, 2016 (Peer-Reviewed Journal)
- XIV. **A Hybrid Approach for Indoor Positioning**
BOZKURT KESER S., YAYAN U.
International Journal of Intelligent Systems and Applications in Engineering, vol.4, pp.162-165, 2016 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Bölüm 2: Nesnelerin İnterneti ve Arakatman Uygulamaları**
YAYAN U., Çıracı E.
in: Yapay Zeka ve Büyük Veri: Endüstri 4.0 ve Yapay Zeka, Sağıroğlu Şeref, Demirezen Mustafa Umut, Yazıcı Ahmet,
Editor, Nobel Yayınevi, Ankara, pp.19-51, 2021

Refereed Congress / Symposium Publications in Proceedings

- I. **XR4HRC Project: Training and Evaluation Approaches for Human-Robot Collaboration with Extended Reality**
Yayan U., Yayan K.
International Conference on Educational Technology and Online Learning, Eskişehir, Turkey, 16 May 2024
- II. **Verification Toolchain of Industrial Robot Inspection Cell for Quality Control of Automotive Body-in-white**
Bağlum C., Erdoğan A. K., YAYAN U.
Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı (ASYU) 2023, Sivas, Turkey, 11 - 13 October 2023
- III. **Development of Cloud and Artificial Intelligence based Software Testing Platform (ChArIoT)**
Çağlar O., Taşkın F., Bağlum C., AŞIK S., YAYAN U.
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- IV. **Evaluation of Deep Neural Network Quality by CleanAI Coverage Metrics Library**
Ayubi A. H., Taşkın F., Çağlar O., AŞIK S., Bağlum C., YAYAN U.
THE 17TH INTERNATIONAL CONFERENCE ON INNOVATIONS IN INTELLIGENT SYSTEMS AND APPLICATIONS, Hammanet, Tunisia, 09 August 2023

- V. **Tailored Mutation-based Software Fault Injection Tool (IM-FIT) for Industrial Robotic Systems**
Bağlum C., YAYAN U.
Otomatik Kontrol Ulusal Kongresi 2022, Elazığ, Turkey, 15 - 18 September 2022, vol.1, pp.477-482
- VI. **Multidimensional Framework for Characterizing Verification and Validation of Automated Systems**
Agirre J. A., YAZICI A., Di Blasio K., Luis de la Vara J., Sangchoolie B., YAYAN U., Barbosa R., Etxeberria L., Nazaria M., Karaca M.
18th European Dependable Computing Conference (EDCC), Zaragoza, Spain, 12 - 15 September 2022, pp.41-48
- VII. **Fuzzy-based Health Monitoring and Voice Assistance Featured Autonomous Elderly Care Service Robot**
Yelaldı M. B., Öztürk V., Gün A., Küçüksağır B., Erdoğan A. K., Yayan U., Edizkan R.
2021 Innovations in Intelligent Systems and Applications Conference (ASYU), Elazığ, Turkey, 6 - 08 October 2021, pp.1-6
- VIII. **Virtual Robotic Laboratory Compatible Mobile Robots for Education and Research**
Yayan U., Erdoğan A. K.
International Conference on INnovations in Intelligent SysTems and Applications (INISTA) 2021, 25 - 27 August 2021, pp.1-6
- IX. **A Proposal for the Classification of Methods for Verification and Validation of Safety, Cybersecurity, and Privacy of Automated Systems**
de la Vara J. L., Bauer T., Fischer B., Karaca M., Madeira H., Matschnig M., Mazzini S., Nandi G. S., Patrone F., Pereira D., et al.
International Conference on the Quality of Information and Communications Technology (QUATIC 2021), Faro, Portugal, 8 - 10 September 2021
- X. **Araç Şaselerinin Kalite Kontrolü için Simülasyon Tabanlı Otonom Endüstriyel Robot Test Sistemi Geliştirilmesi**
Yayan U., Erdoğan A. K., Karaca M., Çökünlü G.
Otomatik Kontrol Ulusal Kongresi – TOK 2021, 2 - 04 September 2021, pp.1-6
- XI. **A NOVEL METHOD FOR SEGMENTATION OF BENTHIC FORAMINIFERA INNER MORPHOLOGY ON THE THIN SECTION PHOTOS**
Okur K., Yayan U., Arslan A. T., Yücel H.
7TH INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Sarajevo, Bosnia And Herzegovina, 24 June 2021, pp.48
- XII. **Cross-domain Modelling of Verification and Validation Workflows in the Large Scale European Research Project VALU3S**
YAYAN U.
International Conference on Embedded Computer Systems: Architectures, Modeling and Simulation (SAMOS XXI) 2021, Samos, Greece, 5 - 07 July 2021, pp.368-382
- XIII. **Ethereum Blockchain Network-based Electrical Vehicle Charging Platform with Multi-Criteria Decision Support System**
Dikkollu C., Akin Y., Kaplan B. B., Yayan U., YOLAÇAN E. N.
1st International Informatics and Software Engineering Conference, 6 - 07 November 2019
- XIV. **Development of Augmented Reality Based Mobile Robot Maintenance Software**
YAYAN U.
In 2019 Innovations in Intelligent Systems and Applications Conference (ASYU), Turkey, 20 October 2019, vol.1, pp.1-5
- XV. **Performance Comparison of ROS Navigation Package Motion Planner Algorithms on AGV**
YAYAN U.
TOK'2019 Otomatik Kontrol Ulusal Toplantısı, Muğla, Turkey, 11 - 14 September 2019, vol.1, pp.567-572
- XVI. **Convolutional Auto-Encoder Based Degradation Point Forecasting for Bearing Data Set**
YAYAN U.
International Conference on Artificial Intelligence and Applied Mathematics in Engineering (ICAIAME 2019), Antalya, Turkey, 21 April 2019, vol.43, pp.817-829

- XVII. **Çoklu Robot Rota Planlamada Güvenirliğin Etkisi: Bir Durum Çalışması**
YAYAN U., YAZICI A.
Türkiye Robotbilim Konferansı 2018, Turkey, 14 October 2018, vol.1, pp.1-6
- XVIII. **Gezgin Robotlara Yük Taşıma Görevinde Batarya Akımı Değişimine Göre Durum Farkındalığı Kazandırılması**
Helvacı M., Ağdere M., Akdeniz Ş., Yaldiran B., Kolsuz F., YAYAN U., EDİZKAN R., YAZICI A.
Türkiye Robotbilim Konferansı (TORK) 2018, İstanbul, Turkey, 12 - 14 April 2018, vol.1, pp.7-12
- XIX. **Gezegen Araştırmaları Benzetim Laboratuvarı için Uzaktan Kontrollü Gezgin Robot Geliştirilmesi**
Development of Remote Controlled Mobile Robot for Planet Research Simulation Laboratory
Yayan U., Özüpek Taş D., TAŞ M. O., ALTAN M., YAZICI A.
2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.277-282
- XX. **Bulanık Mantık Kullanılarak Çoklu Robot Sistemleri İçin Güvenilirlik Tabanlı Görev Paylaşım Analizi**
TAŞ M. O., YAYAN U., YAVUZ H. S., YAZICI A.
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- XXI. **Comparison of Reliability Based and Distance Based Multi Robot Task Allocation**
YAZICI A., yayan U., taş m. u., özüpek d.
III International Conference on Engineering and Natural Sciences (ICENS-2017), Budapest, Hungary, 3 - 07 May 2017, pp.113
- XXII. **Development of Remote Controlled Mobile Robot for Planet Research Simulation Laboratory**
Yayan U., Ozupek D., Tas M. O., ALTAN M., YAZICI A.
2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.277-282
- XXIII. **Mobil Robotlar için RF Tabanlı Hassas Konumlandırma Birimi Geliştirilmesi**
Akçakoca M., YAYAN U., Bolat U., Yücel H.
Türkiye Robotbilim Konferansı (TORK) 2016, İstanbul, Turkey, 2 - 04 November 2016, vol.1, pp.119-122
- XXIV. **A HYBRID APPROACH FOR INDOOR POSITIONING**
BOZKURT KESER S., yayan U., YAZICI A.
3rd International Conference on Advanced Technology & Sciences (ICAT'16), Konya, Turkey, 1 - 03 September 2016, pp.224-227
- XXV. **Detection of the Smart Phone Position on User using Inertial Sensors**
Bayar V., Yayan U., YAZICI A.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.933-936
- XXVI. **A Case Study of Optimal Decision Tree Construction for RFKON Database**
BOZKURT KESER S., Yayan U.
International Symposium on Innovations in Intelligent Systems and Applications (INISTA), Sinaia, Romania, 2 - 05 August 2016
- XXVII. **RELIABILITY BASED TASK COMPLETION ANALYSIS OF MOBILE ROBOTS**
Yayan U., Ozupek D., Tas M. O., YAZICI A.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.1297-1300
- XXVIII. **Interactive Serious Games with Visual Programming for Mobile Robot Learning**
Ada M., Akdeniz M. F., Gumgum O., Keskin M., YAZICI A., Yayan U.
24th Signal Processing and Communication Application Conference (SIU), Zonguldak, Turkey, 16 - 19 May 2016, pp.485-488
- XXIX. **Gezgin Robot Eğitimi için Robot Yönetim Sistemi Tabanlı Uzaktan Erişimli Laboratuar**
YAYAN U., YAZICI A.
Türkiye Otomatik Kontrol Konferansı (TOK2015), Turkey, 20 September 2015, vol.1, pp.419-423
- XXX. **Eğitim ve Araştırma Amaçlı Gezgin Robot Platformu Geliştirilmesi**

YAYAN U., YAZICI A.

Türkiye Otomatik Kontrol Konferansı (TOK2015), Turkey, 05 September 2015, pp.424-429

XXXI. Indoor Mobile Navigation Software for Blind People

Yayan U., Inan F., Guner F., Partal U. G., Kale A., YAZICI A.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.666-669

XXXII. Comprehensive Indoor Remote Tracking System

Yayan U., Inan F., Guner F., YAZICI A.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.670-673

XXXIII. A Novel Multi-Sensor and Multi-Topological Database for Indoor Positioning on Fingerprint Techniques

BOZKURT KESER S., YAZICI A., GÜNAL S., Yayan U., Inan F.

International Symposium on Innovations in Intelligent SysTems and Applications (INISTA 2015), Madrid, Spain, 2 - 04 September 2015, pp.55-61

XXXIV. A Comparative Study on Machine Learning Algorithms for Indoor Positioning

BOZKURT KESER S., ELİBOL SEÇİL G., GÜNAL S., Yayan U.

International Symposium on Innovations in Intelligent SysTems and Applications (INISTA 2015), Madrid, Spain, 2 - 04 September 2015, pp.47-54

XXXV. A Survey on RF Mapping for Indoor Positioning

BOZKURT KESER S., YAZICI A., GÜNAL S., Yayan U.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.2066-2069

XXXVI. Akıllı Tekerlekli Sandalye ile Gezin Robot Eğitimi

YAYAN U., YAZICI A.

Türkiye Otonom Robotlar Konferansı 2014 (TORK2014), Turkey, 06 November 2014

XXXVII. Akıllı Tekerlekli Sandalye (ATEKS) Platformunun Gezin Robot Eğitim ve Araştırmasında Kullanılması

Akar B., YAYAN U., Akçakoca M., YAZICI A., Yücel H., Bayar V.

Otomatik Kontrol Ulusal Toplantısı (TOK) 2014, Kocaeli, Turkey, 11 - 13 September 2014, vol.1, pp.952-957

XXXVIII. Akıllı Tekerlekli Sandalye için Algılayıcı Tabanlı Kontrol Gerçekleşmesi

Akçakoca M., Kılıç İ., YAYAN U., Akar B., YAZICI A.

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XXXIX. Potansiyel Alanlar ile Kinect Tabanlı Akıllı Tekerlekli Sandalye Navigasyonu

Özçelikörs M., Çoşkun A., Say G., YAYAN U., Akçakoca M., Kılıç İ.

22. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU) 2014, Trabzon, Turkey, 23 - 25 April 2014, vol.1, pp.397-400

XL. Akıllı Tekerlekli Sandalye İçin İç Ortam Navigasyon Yazılımı Geliştirilmesi

YAYAN U., Akar B., Inan F., YAZICI A.

22. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU) 2014, Trabzon, Turkey, 22 April 2014, vol.1, pp.405-408

XLI. RF Based Enhancement of ICKON System

Bayar V., Yayan U., Yucel H., YAZICI A.

22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.401-404

XLII. Fuzzy Logic Based Control System Implementation in ROS Middleware

Bayar V., Akar B., Yayan U., YAVUZ H. S., YAZICI A.

22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.614-617

XLIII. Fuzzy Logic Based Design of Classical Behaviors for Mobile Robots in ROS Middleware

Bayar V., Akar B., Yayan U., YAVUZ H. S., YAZICI A.

IEEE International Symposium on Innovations in Intelligent Systems and Applications (INISTA), Alberobello, Italy,

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XLIV. DEVELOPMENT OF INDOOR NAVIGATION SOFTWARE FOR INTELLIGENT WHEELCHAIR

Yayan U., Akar B., Inan F., YAZICI A.

22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.405-408

XLV. Potansiyel Alanlar lie Kinect Tabanlı Akuilli Tekerlekli Sandalye Navigasyonu Kinect Based Intelligent Wheelchair Navigation with Potential Fields

Ozcelikors M., Coskun A., Say G., Yayan U., Akcakoca M., Kilic I.

22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.397-400

XLVI. Kinect Based Intelligent Wheelchair Navigation with Potential Fields

Ozcelikors M., Coskun A., Say M. G., YAZICI A., Yayan U., Akcakoca M.

IEEE International Symposium on Innovations in Intelligent Systems and Applications (INISTA), Alberobello, Italy, 23 - 25 June 2014, pp.330-337

XLVII. Development of Indoor Navigation Software for Intelligent Wheelchair

Yayan U., Akar B., Inan F., YAZICI A.

IEEE International Symposium on Innovations in Intelligent Systems and Applications (INISTA), Alberobello, Italy, 23 - 25 June 2014, pp.325-329

XLVIII. Akıllı Tekerlekli Sandalye Kontrolü İçin Sonlu Durum Makinesi Tasarımı

YAYAN U., YAZICI A.

Otomatik Kontrol Ulusal Toplantısı (TOK'13), Turkey, 05 September 2013, pp.119-124

XLIX. Akıllı Tekerlekli Sandalye İçin Düşük Seviyeli Denetleyici Tasarımı

YAYAN U., YAZICI A.

Otomatik Kontrol Ulusal Toplantısı (TOK'13), Turkey, 05 September 2013, pp.114-118

L. A Smart Solution For Transmitter Localization

Yeniceri C., Tuna T., Yucel H., Yayan U., Bayar V., YAZICI A.

IEEE International Symposium on INnovations in Intelligent SysTems and Applications (INISTA), Bulgaria, 19 - 21 June 2013

LI. İç Ortamlar için Konumlandırma Sistemi (İÇKON)'nde Kodlayıcı Desteği ile Performans İyileştirme

YAYAN U., YAZICI A., EDİZKAN R.

Otomatik Kontrol Türk Milli Komitesi 2012 Ulusal Toplantısı, Niğde, Turkey, 04 September 2012, vol.2, pp.552-557

LII. İç Ortamlar için Konumlandırma Sistemi

YAYAN U., YAZICI A.

Otomatik Kontrol Türk Milli Komitesi 2012 Ulusal Toplantısı, Turkey, 01 September 2012

LIII. An Ultrasonic Based Indoor Positioning System

YAYAN U., YAZICI A.

International Symposuium on Innovations in Intelligent Systems and Applications, Turkey, 19 August 2011

LIV. Kapalı Ortamlar için Sesüstü Tabanlı Konumlandırma Sistemi

YAYAN U., YAZICI A.

Otomatik Kontrol Ulusal Toplantısı (TOK'11), Turkey, 19 August 2011

Supported Projects

Yayan K., Yazıcı A., Özkan M., Yayan U., Horizon Europe Project, Model-Based Engineering of Digital Twins for Early Verification and Validation of Industrial Systems(MATISSE), 2024 - 2027

Yazıcı A., Özkan K., Sarıççek İ., Özkan M., Çınar E., Yayan U., Özçelik İ., Akkuzu Kaya G., Yazar A., TUBITAK Project, Sürdürülebilir Kentler İçin İleri Teknolojiler Platformu (SÜİT), 2022 - 2026

Yazıcı A., Sarıççek İ., Yayan U., Karacasu M., Akalın K. B., Bozkurt Keser S., Horizon Europe Project, OPEVA - OPTimization of Electric Vehicle Autonomy, 2023 - 2025

Yayan K., Yayan U., EU Supported Other Project, Excellence in Extended Reality for Human-Robot Collaboration, 2024 -

2024

Yayan K., Yayan U., Özkan K., Yazıcı A., EU Supported Other Project, Fabric Composition Detector (FABCOD), 2023 - 2023

Yayan U., H2020 Project, Verification and Validation of Automated Systems' Safety and Security (Valu3s), 2020 - 2023

Yayan U., Kafalı A., TUBITAK Project, POLDER Urban Data Policy Lab: POLicy & Data Exploitation & Re-use, 2019 - 2021

Yayan U., Project Supported by Private Organizations in Other Countries, Virtual Robotic Laboratory and Learning Materials for ROSin, 2019 - 2020

Yayan U., Project Supported by Private Organizations in Other Countries, Prognostics and Health Management Tool For ROS, 2019 - 2020

Yayan U., Yücel H., TUBITAK Project, Otomotiv Endüstrisi için Akıllı Üretim Yönetim Sistemi IoTPro, 2018 - 2020

Yayan U., Yücel H., TUBITAK Project, Akıllı fabrikalar için otonom taşıyıcılar ve gerekli insan-makine ve makine-makine arayüzlerinin geliştirilmesi, 2017 - 2020

Yayan U., Project Supported by Private Organizations in Other Countries, ROS industrial indoor positioning system (ROSinPS), 2018 - 2019

Yazıcı A., Yayan U., Yücel H., TUBITAK Project, Kapalı Ortamlar İçin RF Tabanlı Konumlandırma Sistemi (RFKON), 2014 - 2017

Yayan U., KOSGEB, Eğitim ve Araştırma Amaçlı Gezin Robot (EvARobot) Platformu, 2014 - 2016

Yazıcı A., Yayan U., TUBITAK Project, Intelligent Control Systems for Mobile Robots, 2012 - 2014

Yazıcı A., Yayan U., TUBITAK Project, Büyük İç Ortamlar İçin Konumlandırma (İÇKON) Sistemi (7100932), 2010 - 2012

Yazıcı A., Yayan U., TUBITAK Project, İç Ortamlar için Sesüstü Tabanlı Konumlandırma Sistemi (SESKON, Proje No:8090029), 2010 - 2010

Metrics

Publication: 86

Citation (WoS): 152

Citation (Scopus): 316

H-Index (WoS): 5

H-Index (Scopus): 8

Non Academic Experience

Inovasyon Muhendislik Ltd. Sti.