Dr. Öğr. Üyesi SÜLEYMAN YILDIRIM

Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri
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ORCID: 0000-0001-7094-2130
Publons / Web Of Science ResearcherID: IXW-5480-2023
ScopusID: 57412287500
Yoksis Araştırmacı ID: 413112

Biyografi

A dedicated and forward-thinking Aerospace Researcher with excellent project management abilities, capable of taking on a project from concept to completion. Demonstrates strong communication, analytical and organizational skills, reinforced by academic and international work experience. Enthused by integration, particularly aerospace and automation with a passion for staying up-to-date with the latest technological advancements to continuously improve operations. Exhibits exceptional skills in computer vision, machine learning and robotics with experience in Python, Tensorflow, Keras, PyTorch, NVIDIA Omniverse, NVIDIA Jetson, ROS, Gazebo, Unity, Blender and OpenCV.

A fluent English speaker who is career-minded and results-driven as confirmed by life achievements thus far. Highly skilled in designing and implementing electrical systems including power distribution, lighting, control systems, switchgears, breakers and relays. Able to develop and implement safety protocols and procedures to ensure the safe operation of industrial equipments. Possesses knowledge of containerisation technologies such as Docker and Kubernetes to deploy and manage applications in a portable and scalable way and proficiency in scripting languages such as Python, Bash and PowerShell to automate tasks. Able to configure and manage network infrastructure, implement and manage network protocols and services, monitor network performance and identify and resolve network issues using network management tools and techniques.

Eğitim Bilgileri

Doktora, Cranfield University, School of Aerospace, Transport and Manufacturing, Aerospace, İngiltere 2019 - 2024
Yüksek Lisans, Cranfield University, School of Aerospace, Transport and Manufacturing, Computational and Software Techniques in Engineering, İngiltere 2018 - 2019
Lisans, Selçuk Üniversitesi, Faculty of Engineering, Electrical & Electronics Engineering, Türkiye 2010 - 2014

Yabancı Diller

İngilizce, C2 Ustalık

Yaptığı Tezler

Bütünleşik Doktora, Autonomous Ground Refuelling Framework of Civil Aircrafts using Computer Vision and Robotics, Cranfield University, School of Aerospace, Transport and Manufacturing, Aerospace, 2024
Yüksek Lisans, Facial Expression Recognition using Computer Vision and Machine Learning: A Path to Deception Detection, Cranfield University, School of Aerospace, Transport and Manufacturing, Computational and Software Techniques in Engineering, 2019

Araştırma Alanları

Havacılık Mühendisliği, Algılayıcılar/ Elektrooptik Teknolojiler, Uçuş Dinamiği-Kararlılık, Uçuş Kontrol Sistemleri, Aviyonik Elektronik Sistemler

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 2024 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Enhancing Aircraft Safety through Advanced Engine Health Monitoring with Long Short-Term Memory**
    Yildirim S., Rana Z. A.
    SENSORS, cilt.24, sa.2, 2024 (SCI-Expanded)
II. **The influence of micro-expressions on deception detection**
    Yildirim S., Chimeumanu M. S., Rana Z. A.
    MULTIMEDIA TOOLS AND APPLICATIONS, cilt.82, sa.19, ss.29115-29133, 2023 (SCI-Expanded)
III. **Reducing the Reality Gap Using Hybrid Data for Real-Time Autonomous Operations**
    Yildirim S., Rana Z. A.
    MATHEMATICS, cilt.11, sa.7, 2023 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Development of Vision Guided Real-Time Trajectory Planning System for Autonomous Ground Refuelling Operations using Hybrid Dataset**
    YILDIRIM S., Rana Z. A., Tang G.
    AIAA SciTech Forum and Exposition, 2023, Florida, Amerika Birleşik Devletleri, 23 - 27 Ocak 2023
II. **Autonomous Ground Refuelling Approach for Civil Aircrafts using Computer Vision and Robotics**
    Yildirim S., Rana Z., Tang G.
    IEEE/AIAA 40th Digital Avionics Systems Conference (DASC), ELECTR NETWORK, 3 - 07 Ekim 2021

Metrikler

Yayın: 5
Atıf (WoS): 3
Atıf (Scopus): 5
H-İndeks (WoS): 1
H-İndeks (Scopus): 1