

Prof. TUĞRUL OKTAY



Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAE-2053-2020

ScopusID: 55334339800

Yoksis Researcher ID: 33037

Education Information

Doctorate, Virginia Polytechnic Institute and State University, Randolph Hall, Aerospace Engineering (Fastest Degree Ever Received-Havacılık ve Uzay Mühendisliği), United States Of America 2009 - 2012

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Uçak Ve Uzay Mühendisliği (Possible Fastest Degree Received), Turkey 2007 - 2008

Undergraduate, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği, Turkey 2003 - 2007

Foreign Languages

German, A1 Beginner

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, TRL THS Seviyeleri, ERÜ Teknopark, 2018

Education Management and Planning, Horizon 2020 SME Instrument Uygulamalı Proje Yazma Eğitimi, KAYSO, 2018

Occupational Health and Safety, İşveren iş sağlığı ve güvenliği uzmanı, AÖF, 2017

Education Management and Planning, Kobi Mentörü, Tübitak, 2017

Education Management and Planning, Uygulamalı Girişimcilik Sertifikası, Kosgeb, 2017

Education Management and Planning, Mühendislik Bilimlerinde Araştırma Projesi Hazırlama ve Yürütme Eğitimi, Tübitak, 2014

Dissertations

Doctorate, Constrained Control of Complex Helicopter Models; Advisor: Professor Cornel Sultan, Virginia Polytechnic Institute and State University, Randolph Hall, Aerospace and Ocean Engineering, 2012

Postgraduate, Vibration Analysis and System Control of Aeronautical Structures; Danışman: Prof. Dr. Metin Orhan KAYA,

Research Areas

Information Systems, Communication and Control Engineering, Control and System Engineering, Optimal Control, Signal Processing, Image and Video Processing, Mechanical Engineering, Machine Theory and Dynamics, System Dynamics and Control, Modeling and Simulation of Dynamic Systems, Mechanical Vibrations, Aeronautical and Space Engineering, Aeronautical Engineering, Space Engineering, Flight Sciences, Aircraft System Technologies, Structural control, Flight Dynamics and Stability, Performance, Flight Control Systems, Engineering and Technology

Academic Titles / Tasks

Professor, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği, 2021 - Continues
Associate Professor, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği, 2016 - 2021
Assistant Professor, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği, 2014 - 2016
Assistant Professor, Erciyes University, Sivil Havacılık Yüksekokulu, Uçak Gövde-Motor, 2013 - 2014
Lecturer PhD, Erciyes University, Sivil Havacılık Yüksekokulu, Uçak Gövde-Motor, 2012 - 2013

Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği, 2015 - Continues
Head of Department, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği, 2018 - 2020
Head of Department, Erciyes University, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği, 2016 - 2020

Courses

Materials and Hardware of Aircraft, Undergraduate, 2018 - 2019
İleri Uçuş Bilimleri (Uçak Müh. ABD), Postgraduate, 2018 - 2019
Bilgisayar Programlama, Undergraduate, 2018 - 2019, 2017 - 2018
Uçuş Mekaniğinde Optimizasyon Uygulamaları, Doctorate, 2018 - 2019
Uçak Mühendisliğine Giriş, Undergraduate, 2018 - 2019, 2017 - 2018
İleri Uçuş Dinamiği ve Kontrolü, Postgraduate, 2017 - 2018
Aerodinamik, Undergraduate, 2017 - 2018
Dinamik Sistemlerin Modellenmesi, Doctorate, 2017 - 2018
İleri Uçuş Mekaniği (Uçak Müh. ABD), Postgraduate, 2018 - 2019
Akışkanlar Mekaniği, Undergraduate, 2018 - 2019
Aerodinamik, Undergraduate, 2016 - 2017
İleri helikopter teorisi ve sistemleri, Postgraduate, 2017 - 2018
Uçuş Mekaniğinde Optimizasyon Yöntemleri, Postgraduate, 2016 - 2017
Hava Aracı İleri Kontrol Sistemleri, Doctorate, 2016 - 2017
Gerçek Zamanlı Kontrol, Doctorate, 2017 - 2018
Otomatik Kontrol, Doctorate, 2015 - 2016
Pervane, Undergraduate, 2016 - 2017, 2015 - 2016
Helikopter Stabilite ve Kontrolü, Doctorate, 2016 - 2017
Aerodinamik, Undergraduate, 2015 - 2016
Hava Aracı Hidrolik ve Pnömatik Sistemleri, Undergraduate, 2015 - 2016
Uçuş Mekaniğinde Optimizasyon Yöntemleri, Postgraduate, 2015 - 2016

Helikopter Teorisi ve Sistemleri, Undergraduate, 2016 - 2017, 2015 - 2016
İleri Helikopter Teorisi ve Sistemleri, Postgraduate, 2016 - 2017
Uçak Tasarım Uygulama I, Undergraduate, 2014 - 2015
Uçuş Kontrol Sistem Tasarımı, Postgraduate, 2014 - 2015
Bilgisayar Yapısı ve Kullanımı, Undergraduate, 2015 - 2016
Gerçek Zamanlı Kontrol, Doctorate, 2015 - 2016
Arge Yönetimi, Undergraduate, 2014 - 2015
İleri Modern Kontrol Sistemleri ve MATLAB Uygulamaları, Doctorate, 2014 - 2015
İleri Helikopter Teorisi ve Sistemleri, Postgraduate, 2015 - 2016
Aerodinamik, Undergraduate, 2014 - 2015
İş Hayatı İçin İngilizce, Undergraduate, 2014 - 2015
Helikopter Teorisi ve Sistemleri, Undergraduate, 2014 - 2015
Modern Kontrol Sistemleri, Postgraduate, 2014 - 2015
Uçuş Kontrol Sistem Tasarımı, Postgraduate, 2013 - 2014
Pervane, Undergraduate, 2014 - 2015
İleri İngilizce III, Undergraduate, 2014 - 2015
İş Hayatı İçin İngilizce, Undergraduate, 2013 - 2014, 2012 - 2013
Aerodinamik, Undergraduate, 2013 - 2014, 2012 - 2013
Uçak Tasarım Uygulama I ve II, Undergraduate, 2013 - 2014
Helikopter Stabilite ve Kontrolü, Doctorate, 2014 - 2015
Uçuş Mekaniğinde Optimizasyon Yöntemleri , Postgraduate, 2013 - 2014
Uçuş Teorisi, Undergraduate, 2013 - 2014
Mesleki İngilizce I ve II, Undergraduate, 2012 - 2013
Uçuş Kontrol Sistem Tasarımı (SHA), Postgraduate, 2012 - 2013
Bitirme Ödevi, Undergraduate, 2012 - 2013
Uçuş Teorisi, Undergraduate, 2012 - 2013
Uçak Tasarım Uygulama I ve II , Undergraduate, 2012 - 2013
Pervane, Undergraduate, 2012 - 2013
İleri İngilizce III, Undergraduate, 2012 - 2013
Modern Kontrol Sistemleri (SHA), Postgraduate, 2012 - 2013

Advising Theses

Oktay T., Yenilikçi VTOL Platform Tasarımı, Doctorate, A.Kocamer(Student), Continues
Oktay T., Performans Parametreleri İyileştirilmiş Yeni İnsansız Hava Aracı (İHA) Tasarımı, Postgraduate, İ.Anıl(Student), Continues
Oktay T., Ticari Hava Taşımacılığında Operasyonel Emniyet Performansının Maksimizasyonu: Avrupa Birliği (AB) Örneği, Doctorate, E.Yeşilbaş(Student), Continues
Oktay T., Turboprop Motorlu Askeri Uçaklarda Performans Analizi, Postgraduate, B.Özgür(Student), Continues
Oktay T., Döner Kanatlı İnsansız Hava Araçlarının Yenilikçi Yaklaşımlarla Otonom Performansının Maksimizasyonu, Doctorate, E.Özen(Student), Continues
Oktay T., Sabit ve Döner Kanatlı İnsansız Hava Araçlarının Aerodinamik İyileştirmeler İle Otonom Performans Maksimizasyonu, Doctorate, Y.Eraslan(Student), Continues
Oktay T., "Uçak Tasarımı", Doctorate, N.Ünal(Student), Continues
Oktay T., "Döner Kanatlı Hava Araçlarının Uçuş Performansı Optimizasyonu (Mezun)", Doctorate, H.Şahin(Student), 2022
Oktay T., Hava Aracı Kavramsal Tasarım ve Analiz Sistemi (Mezun), Postgraduate, N.Ünal(Student), 2022
Oktay T., İnovatif Yöntemlerle Kuadkopter Modellenmesi, Kontrolü ve Gerçek Zamanlı Uygulamaları (Mezun), Doctorate, O.Köse(Student), 2021
Oktay T., Aktif Akış Kontrol Ve Otonom Kontrol Yöntemlerinin Birlikte İnsansız Hava Araçları Üzerine Uygulaması (Mezun), Doctorate, Ö.Özdemir(Student), 2020

Oktay T., Konar M., İnsansız helikopterin itki/tork oranının iyileştirilmesi, Postgraduate, A.TÜRKMEN(Student), 2020
Oktay T., İHA'lar üzerine farklı başkalaşım türleri gerçek zamanlı uygulamaları (Mezun), Doctorate, E.Karatay(Student), 2019
OKTAY T., Yüksek İrtifa, Uzun Menzil İHA Tasarımı ve Uçuş Testleri (Mezun), Postgraduate, A.Ceylan(Student), 2019
OKTAY T., İnsansız Hava Araçlarının Aerodinamik Performansının Küçük Geometrik Değişiklikler İle İyileştirilmesi (Mezun), Doctorate, M.Uzun(Student), 2018
OKTAY T., Kısıtlamalı Kontrol Yöntemleri ile İnsanli ve İnsansız Helikopterlerin Kontrolü (Mezun), Doctorate, F.ŞAL(Student), 2018
OKTAY T., İnsansız Trikopter Tasarımı ve Otonom Kontrolü (Mezun), Postgraduate, H.Şahin(Student), 2018
OKTAY T., Taktik İnsansız Hava Aracı Tasarımı, İmalatı ve Otonom Kontrolü (Mezun), Doctorate, S.Çoban(Student), 2018
OKTAY T., Aerodinamik Kontrol İçin Yapay Jet Akışlı Eyleyici Tasarımı (Mezun), Postgraduate, A.Ceyhan(Student), 2018
OKTAY T., Havadan Alınan Görüntülerdeki Bulanıklığın Hava Aracı Otonom Performansı Yükseltilecek Önlenmesi (Mezun), Doctorate, H.ÇELİK(Student), 2017
OKTAY T., İnsansız Bir Hava Aracının Yanal Durum-Uzay Modelinin ve Uçuş Kontrol Sisteminin Eş Zamanlı Tasarımı (Mezun), Postgraduate, İ.Ekinci(Student), 2016
OKTAY T., Pasif ve/veya Aktif Başkalaşım İle Sabit Kanatlı İHA'ların Otonom Performansının Maksimizasyonu (Mezun), Postgraduate, M.Abdallah(Student), 2015
OKTAY T., Helikopter Kontrolünde Yeni Yöntemler ile Enerji Tasarrufu (Mezun), Postgraduate, F.ŞAL(Student), 2015

Jury Memberships

Associate Professor Exam, Associate Professor Exam, Erciyes Üniversitesi, June, 2022
Associate Professor Exam, Associate Professor Exam, Erciyes Üniversitesi, December, 2021
Competition, 2242 TÜBİTAK ÜNİVERSİTE ÖĞRENCİLERİ ARAŞTIRMA PROJE YARIŞMALARI-ANKARA BÖLGE-JURİ, Ankara Yıldırım Beyazıt Üniversitesi, August, 2020
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Kapadokya Üniversitesi, November, 2019
Competition, 2242 TÜBİTAK ÜNİVERSİTE ÖĞRENCİLERİ ARAŞTIRMA PROJE YARIŞMALARI-TÜRKİYE ŞAMPİYONASI TEKNOFEST 2019-JURİ, Erciyes Üniversitesi, September, 2019
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Erciyes Üniversitesi, August, 2019
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Erciyes Üniversitesi, August, 2019
Competition, 2242 TÜBİTAK ÜNİVERSİTE ÖĞRENCİLERİ ARAŞTIRMA PROJE YARIŞMALARI-BÖLGE-JURİ, Erciyes Üniversitesi, June, 2019
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, İskenderun Teknik Üniversitesi, January, 2019
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Gümüşhane Üniversitesi, November, 2018
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, İskenderun Teknik Üniversitesi, October, 2018
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Erciyes Üniversitesi, January, 2018
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Erciyes Üniversitesi, December, 2017
Post Graduate, Yüksek Lisans Savunma, Niğde Ömer Halisdemir Üniversitesi, July, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Simultaneous Design of Morphing Hexarotor and Autopilot System by Using Deep Neural Network and SPSA**

Köse O., Oktay T.

- AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.95, no.1, pp.11-20, 2023 (SCI-Expanded)
- II. **Conceptual Design Modeling by the Novel Aircraft Conceptual Design and Analysis System (ACDAS)**
Ünal N., Öz Y., Oktay T.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.95, no.1, pp.1-10, 2023 (SCI-Expanded)
- III. **Simultaneous Autonomous System and Powerplant Design for Morphing Quadrotors**
Şahin H., Köse O., Oktay T.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.94, no.8, pp.1228-1241, 2022 (SCI-Expanded)
- IV. **Improvement of the Thrust-Torque Ratio of An Unmanned Helicopter by Using the ABC Algorithm**
Konar M., Türkmen A., Oktay T.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.92, no.5, pp.1133-1139, 2020 (SCI-Expanded)
- V. **Simultaneous Quadrotor Autopilot System and Collective Morphing System Design**
Köse O., Oktay T.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.92, no.7, pp.1093-1100, 2020 (SCI-Expanded)
- VI. **Combined active flow and flight control systems design for morphing UAVs**
Kanat Ö. Ö., Karatay E., Köse O., Oktay T.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART G: JOURNAL OF AEROSPACE ENGINEERING, vol.233, no.14, pp.5393-5402, 2019 (SCI-Expanded)
- VII. **Maximum lift/drag ratio improvement of TUAVs via small aerodynamic modifications**
Oktay T., Uzun M., Kanat Ö. Ö.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.90, no.9, pp.1438-1444, 2018 (SCI-Expanded)
- VIII. **Constrained control of helicopter vibration to reduce motion blur**
Oktay T., Celik H., Türkmen I.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.90, pp.1326-1336, 2018 (SCI-Expanded)
- IX. **Maximizing autonomous performance of fixed-wing unmanned aerial vehicle to reduce motion blur in taken images**
Oktay T., Celik H., Türkmen I.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART I-JOURNAL OF SYSTEMS AND CONTROL ENGINEERING, vol.232, pp.857-868, 2018 (SCI-Expanded)
- X. **Redesign of Morphing UAV for Simultaneous Improvement of Directional Stability and Maximum Lift/ Drag Ratio**
Arik S., Türkmen I., Oktay T.
ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.18, no.4, pp.57-62, 2018 (SCI-Expanded)
- XI. **Neural network based redesign of morphing UAV for simultaneous improvement of roll stability and maximum lift/drag ratio**
Oktay T., Arik S., Türkmen I., Uzun M., Celik H.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.90, pp.1203-1212, 2018 (SCI-Expanded)
- XII. **simultaneous longitudinal and lateral flight control system design for both passive and active morphing TUAVs**
Oktay T., Çoban S.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.23, no.5, pp.15-20, 2017 (SCI-Expanded)
- XIII. **A simulation-based method using artificial neural networks for solving the inverse kinematic problem of articulated robots**
Soylak M., Oktay T., Türkmen I.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E-JOURNAL OF PROCESS MECHANICAL ENGINEERING, vol.231, no.3, pp.470-479, 2017 (SCI-Expanded)
- XIV. **Output variance constrained bending control of rotating Euler-Bernoulli beam**
OKTAY T.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E-JOURNAL OF PROCESS MECHANICAL ENGINEERING, vol.231, no.2, pp.202-211, 2017 (SCI-Expanded)
- XV. **Effect of the Simultaneous Variation in Blade Root Chord Length and Blade Taper on Helicopter Flight Control Effort**

- Oktay T., Şal F.
INTERNATIONAL JOURNAL OF AEROSPACE ENGINEERING, 2017 (SCI-Expanded)
- XVI. **Combined passive and active helicopter main rotor morphing for helicopter energy save**
Oktay T., Şal F.
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.38, no.6, pp.1511-1525, 2016 (SCI-Expanded)
- XVII. **Simultaneous small UAV and autopilot system design**
Oktay T., Konar M., Onay M., Aydın M., Mohamed M. A.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.88, pp.818-834, 2016 (SCI-Expanded)
- XVIII. **Comfortable Helicopter Flight Via Passive/Active Morphing**
Oktay T., Sultan C.
IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS, vol.51, no.4, pp.2876-2886, 2015 (SCI-Expanded)
- XIX. **Combined outputs variance constrained and input variance constrained design for flight control**
Oktay T.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING, vol.229, no.12, pp.2196-2204, 2015 (SCI-Expanded)
- XX. **Helicopter Control Energy Reduction Using Moving Horizontal Tail**
Oktay T., Şal F.
THE SCIENTIFIC WORLD JOURNAL, vol.2015, pp.1-10, 2015 (SCI-Expanded)
- XXI. **Flight Control Energy Saving via Helicopter Rotor Active Morphing**
OKTAY T., Sultan C.
JOURNAL OF AIRCRAFT, vol.51, no.6, pp.1784-1804, 2014 (SCI-Expanded)
- XXII. **Performance of minimum energy controllers on tiltrotor aircraft**
Oktay T.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.86, no.5, pp.361-374, 2014 (SCI-Expanded)
- XXIII. **Variance-constrained control of maneuvering helicopters with sensor failure**
Oktay T., Sultan C.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING, vol.227, no.12, pp.1845-1858, 2013 (SCI-Expanded)
- XXIV. **Modeling and control of a helicopter slung-load system**
Oktay T., Sultan C.
AEROSPACE SCIENCE AND TECHNOLOGY, vol.29, no.1, pp.206-222, 2013 (SCI-Expanded)
- XXV. **Simultaneous Helicopter and Control-System Design**
Oktay T., Sultan C.
JOURNAL OF AIRCRAFT, vol.50, no.3, pp.911-925, 2013 (SCI-Expanded)
- XXVI. **Constrained predictive control of helicopters**
Oktay T., Sultan C.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.85, no.1, pp.32-47, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effects of Shape Changing of Morphing Rotary Wing Aircraft on Longitudinal and Lateral Flight**
Oktay T., Özen E.
Journal of Aviation, vol.6, no.3, pp.251-259, 2022 (Peer-Reviewed Journal)
- II. **Stability Evaluation of a Fixed-wing Unmanned Aerial Vehicle with Morphing Wingtip**
Oktay T., Eraslan Y.
Journal of Aviation, vol.6, no.2, pp.103-109, 2022 (Scopus)
- III. **Hexarotor Yaw Flight Control with SPSA, PID Algorithm and Morphing**
Köse O., Oktay T.

International Journal of Intelligent Systems and Applications in Engineering, vol.10, no.2, pp.216-221, 2022
(Scopus)

- IV. **Combined Quadrotor Autopilot System and Differential Morphing System Design**
Köse O., Oktay T.
Journal of Aviation, vol.5, no.2, pp.64-71, 2021 (Scopus)
- V. **Quadrotor Flight System Design using Collective and Differential Morphing with SPSA and ANN**
Köse O., Oktay T.
International Journal of Intelligent Systems and Applications in Engineering, vol.9, no.4, pp.159-164, 2021 (Scopus)
- VI. **Hexarotor Longitudinal Flight Control with Deep Neural Network, PID Algorithm and Morphing**
Köse O., Oktay T.
European Journal of Science and Technology, no.27, pp.115-124, 2021 (Peer-Reviewed Journal)
- VII. **Döner Kanatlı İnsansız Hava Aracı Sistem Tasarımı ve Kontrolü**
Oktay T., Özen E.
European Journal of Science and Technology, no.27, pp.318-324, 2021 (Peer-Reviewed Journal)
- VIII. **Numerical Investigation of Effects of Airspeed and Rotational Speed on Quadrotor UAV Propeller Thrust Coefficient /**
Oktay T., Eraslan Y.
Journal of Aviation, vol.5, no.1, pp.9-15, 2021 (Peer-Reviewed Journal)
- IX. **Lateral control with differential and collective morphing in quadrotors**
Köse O., Oktay T.
Journal of Aviation, vol.4, no.2, pp.48-54, 2020 (Peer-Reviewed Journal)
- X. **Investigation of the Effect of Differential Morphing on Forward Flight by Using PID Algorithm in Quadrotors**
Köse O., Oktay T.
Journal of Aviation, vol.4, no.1, pp.15-21, 2020 (Peer-Reviewed Journal)
- XI. **Anfis Based Thrust Estimation of a Small Rotary Wing Drone**
Şahin H., Oktay T., Konar M.
European Journal of Science and Technology, vol.18, pp.738-742, 2020 (Peer-Reviewed Journal)
- XII. **Investigation of the Effect of Differential Morphing on Lateral Flight by Using PID Algorithm in Quadrotors**
Oktay T., Köse O.
European Journal of Science and Technology, vol.18, pp.636-644, 2020 (Peer-Reviewed Journal)
- XIII. **Aerodynamic Effects of Designing A Suction Channel Over NACA 4412 Wing**
Oktay T., Kanat Ö. Ö.
European Journal of Science and Technology, vol.17, pp.1001-1007, 2019 (Peer-Reviewed Journal)
- XIV. **Non Simultaneous Morphing System Design for Yaw Motion in Quadrotors**
Köse O., Oktay T.
Journal of Aviation, vol.3, no.2, pp.81-88, 2019 (Peer-Reviewed Journal)
- XV. **The Effects of Initial γ plus: Numerical Analysis of 3D NACA 4412 Wing Using γ -Re θ SST Turbulence Model**
Kanat Ö. Ö., Körpe D. S., Oktay T.
Avrupa Bilim ve Teknoloji Dergisi, vol.17, pp.692-702, 2019 (Peer-Reviewed Journal)
- XVI. **Başkalaşan Kanat Ucu Tasarımı ve Avantajları**
Şahin H., Oktay T.
Avrupa Bilim ve Teknoloji Dergisi, vol.17, pp.606-610, 2019 (Peer-Reviewed Journal)
- XVII. **Properties of Novel Tricopter And Comparison of Other Unmanned Aerial Vehicles**
Şahin H., Oktay T.
European Journal of Science and Technology, vol.16, pp.816-825, 2019 (Peer-Reviewed Journal)
- XVIII. **Non Simultaneous Morphing System Desing for Quadrotors /**
Köse O., Oktay T.
European Journal of Science and Technology, vol.16, pp.577-588, 2019 (Peer-Reviewed Journal)

- XIX. **Designing, Dynamic Modeling and Simulation of ISTEICOPTER**
Çoban S., Bilgiç H. H., Oktay T.
Journal of Aviation, vol.3, no.2, pp.38-44, 2019 (Peer-Reviewed Journal)
- XX. **Farklı Uçuş Durumları İçin Quadcopter Dinamik Modeli ve Simulasyonu (Dynamic Modeling and Simulation of Quadrotor for Different Flight Conditions)**
Oktay T., Köse O.
Avrupa Bilim ve Teknoloji Dergisi, vol.15, pp.132-142, 2019 (Peer-Reviewed Journal)
- XXI. **Autonomous flight performance improvement of the morphing aerial robot by aerodynamic shape redesign**
Çelik H., Oktay T., Uzun M.
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.23, no.1, pp.51-65, 2019 (Peer-Reviewed Journal)
- XXII. **Simultaneous Design of a Small UAV (Unmanned Aerial Vehicle) Flight Control System and Lateral State Space Model**
Çoban S., Oktay T.
Journal of Aviation, vol.2, no.2, pp.70-76, 2018 (Peer-Reviewed Journal)
- XXIII. **Unmanned Aerial Vehicles (UAVs) According to Engine Type**
Çoban S., Oktay T.
Journal of Aviation, vol.2, no.2, pp.177-184, 2018 (Scopus)
- XXIV. **Legal and Ethical Issues of Unmanned Aerial Vehicles**
Çoban S., Oktay T.
Journal of aviation (Online), vol.2, no.1, pp.31-35, 2018 (Peer-Reviewed Journal)
- XXV. **Havacılık Ve Uzay Uygulamalarında Şekil Hafızalı Alaşımlar**
Acar E., Oktay T.
Nigde Omer Halisdemir University Journal of Engineering Sciences, vol.7, pp.335-349, 2018 (Peer-Reviewed Journal)
- XXVI. **Powerplant system design for unmanned tricopter**
Oktay T., Şahin H.
The Euroasia Proceedings of Science, Technology, Engineering & Mathematics, vol.1, no.1, pp.9-21, 2017 (Peer-Reviewed Journal)
- XXVII. **A Review of Tactical Unmanned Aerial Vehicle Design Studies**
Oktay T., Çoban S.
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Yeşilbaş E., Oktay T.
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- VII. **The Effects of a Morphing Quadrotor On Lateral Flight**
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- VIII. **The Effects Of Arm Rise And Hub Angle Change Of A Morphing Quadrotor On Longitudinal Flight**
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- X. **Effect of Morphing and Battery Weight on Hexarotor Longitudinal Flight**
Köse O., Oktay T.
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- XI. **Effects of Intersection Angle of Morphing Quadrotor on Longitudinal Flight**
Oktay T., Özen E.
6th Ankara International Congress on Scientific Research, Ankara, Turkey, 1 - 03 April 2022, pp.1-5
- XII. **Effects of Intersection Angle of Morphing Aircraft on Lateral Flight**
Oktay T., Özen E.
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- XIII. **Effects of Morphing Winglet On Longitudinal Stability Coefficients of Fixed-Wing Unmanned Aerial Vehicle**
Oktay T., Eraslan Y.
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- XIV. **Effects of Morphing Winglet on Lateral and Directional Stability Coefficients of Fixed-Wing Unmanned Aerial Vehicle**
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Ünal N., Oktay T.
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- XVI. **Analyzing The Effects of Airfoil Selection to the Lift Coefficient and Drag Coefficient (cL and cD) of teh Aircraft**

Ünal N., Oktay T.

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- XVII. Kapalı Ortamlarda Arama Kurtarma Görevi İçin Geliştirilen Şekil Değiştirebilen Quadkopterin Sistem Modellenmesi ve Tasarımı**
Oktay T., Özen E.
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- XVIII. Quadrotor Flying Time Prediction Analysis Using Different ANN Models**
Oktay T., Şahin H.
AVRASYA 8. ULUSLARARASI UYGULAMALI BİLİMLER KONGRESİ, Toskent, Uzbekistan, 15 - 16 March 2021, pp.1-5
- XIX. Prediction of Flight Duration Time and Range of Multi-Rotor Using ANN**
Oktay T., Şahin H.
AVRASYA 8. ULUSLARARASI UYGULAMALI BİLİMLER KONGRESİ, Toskent, Uzbekistan, 15 - 16 March 2021, pp.6-10
- XX. Effect of Longitudinal Flight of Battery Weight in Collective Morphing in Quadrotors**
Köse O., Oktay T.
3rd International European Conference on Interdisciplinary Scientific Research, Comrat, Moldova, 15 January - 16 February 2021, pp.467-479
- XXI. Effect of Battery Weight on Lateral Flight of Morphing Quadrotor UAV**
Köse O., Oktay T.
3rd International European Conference on Interdisciplinary Scientific Research, Comrat, Moldova, 15 - 16 January 2021, pp.480-494
- XXII. Evaluation of Various Turbulence Models in Computational Fluid Dynamics (CFD) Investigation of a Quad-Rotor UAV Propeller**
Oktay T., Eraslan Y.
3rd International European Conference on Interdisciplinary Scientific Research, Comrat, Moldova, 15 - 16 January 2021, pp.495-501
- XXIII. Mesh Independence Study Computational Fluid Dynamics (Cfd) Analysis Of A Quadrotor Uav Propeller**
Oktay T., Eraslan Y.
3rd International European Conference on Interdisciplinary Scientific Research, Comrat, Moldova, 15 - 16 January 2021, pp.502-509
- XXIV. Computational Fluid Dynamics (Cfd) Investigation Of A Quadrotor Uav Propeller**
Oktay T., Eraslan Y.
International Conference on Energy, Environment and Storage of Energy (ICEESEN 2020, Kayseri, Turkey, 19 - 21 November 2020, pp.1-5
- XXV. Effect Of Differential Morphing On Yaw Movement In Quadrotors**
Köse O., Oktay T.
International Conference on Energy, Environment and Storage of Energy (ICEESEN 2020, Kayseri, Turkey, 19 - 21 November 2020, pp.6-10
- XXVI. Propulsion System Testing of Electrically Driven Multirotor Rotary Wing Unmanned Aerial Vehicles**
Şahin H., Oktay T., Konar M.
4. Uluslararası Akdeniz Sempozyumu, Mersin, Turkey, 22 - 24 October 2020, pp.1-5
- XXVII. Effect of Passive Morphing on UAVs Guided by Combined Output and Input Variance Constrained Controllers (O&I-VCs)**
Şal F., Oktay T.
4. Uluslararası Akdeniz Sempozyumu, Mersin, Turkey, 22 - 24 October 2020, pp.1-5
- XXVIII. Effect of Passive Morphing on Input Variance Constrained Trajectory Tracking of Small UAVs**
Şal F., Oktay T.
4. Uluslararası Akdeniz Sempozyumu, Mersin, Turkey, 22 - 24 October 2020, pp.1-5
- XXIX. Pre-Comparison of Performance of Rotary Wing Unmanned Aerial Vehicles**

- Şahin H., Oktay T., Konar M.
4. Uluslararası Akdeniz Sempozyumu, Mersin, Turkey, 22 - 24 October 2020, pp.1-5
- XXX. **Effect of Active Morphing on Input Variance Constrained Trajectory Tracking of Load-Carrying UAVs**
Şal F., Oktay T.
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- XXXI. **The effect of change in angle between rotor arms on trajectory tracking quality of pid controlled quadcopter**
Eraslan Y., Özen E., Oktay T.
10th International Conference on Mathematics and Natural Sciences Engineering, Batumi, Georgia, 15 - 17 May 2020, pp.16-20
- XXXII. **Hover control with differential and collective morphing in quadrotors**
Köse O., Oktay T.
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- XXXIII. **Limitation of rotary wing unmanned aerial vehicle propulsion system energy using anfis**
Şahin H., Konar M., Oktay T.
10th International Conference on Mathematics and Natural Sciences Engineering, Batumi, Georgia, 15 - 17 May 2020, pp.21-25
- XXXIV. **A literature review on determination of quadrotor unmanned aerial vehicles propeller thrust and power coefficients**
Eraslan Y., Özen E., Oktay T.
10th International Conference on Mathematics and Natural Sciences Engineering, Batumi, Georgia, 15 - 17 May 2020, pp.11-15
- XXXV. **The effect of collective and differential morphing on longitudinal flight in quadrotors**
Köse O., Oktay T.
10th International Conference on Mathematics and Natural Sciences Engineering, Batumi, Georgia, 15 - 17 May 2020, pp.6-10
- XXXVI. **İnsansız Hava Aracı İtke Gücünün Anfis ile Tahmini**
Şahin H., Oktay T., Konar M.
Uluslararası 5 Ocak Uygulamalı Bilimler Kongresi, Adana, Turkey, 3 - 05 January 2020, pp.16-20
- XXXVII. **Döner Kanatlı Hava Araçlarının Uçuş Performans Optimizasyonu**
Konar M., Oktay T., Şahin H.
Uluslararası 5 Ocak Uygulamalı Bilimler Kongresi, Adana, Turkey, 3 - 05 January 2020, pp.11-15
- XXXVIII. **The Effect of Differential Morphing on The Hover Flight in Quadcopter**
Köse O., Oktay T.
Uluslararası 5 Ocak Uygulamalı Bilimler Kongresi, Adana, Turkey, 3 - 05 January 2020, pp.6-10
- XXXIX. **The Effect of Differential Morphing on The Forward Flight in Quadcopter**
Köse O., Oktay T.
Uluslararası 5 Ocak Uygulamalı Bilimler Kongresi, Adana, Turkey, 3 - 05 January 2020, pp.1-5
- XL. **Termal Hava Akımlarının Sabit Kanatlı Hava Araçlarının Uçuş Süresi ve Menziline Etkisinin İncelenmesi**
Konar M., Kekeç E. T., Oktay T.
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- XLI. **The Importance of Blowing Angle While Designing An Active Blowing System**
Oktay T., Kanat Ö. Ö.
5th International Conference on Engineering and Natural Sciences, Praha, Czech Republic, 12 - 16 June 2019, pp.1-5
- XLII. **The Aerodynamic Effects of Pressure Magnitude and Blowing Angle on Lateral Autonomous Performance of UAVs**

Oktay T., Kanat Ö. Ö.

5th International Conference on Engineering and Natural Sciences, Praha, Czech Republic, 12 - 16 June 2019, pp.1-5

XLIII. Minimization Of An Unmanned Helicopter Torque Value Using ABC Algorithm

Konar M., Arık S., Oktay T.

5th International Conference on Engineering and Natural Sciences (ICENS 2019), Praha, Czech Republic, 12 - 16 June 2019, pp.54-57

XLIV. Başkalaşan Kanat Ucu Tasarımına Sahip İHANın CFD Analizi

Oktay T., Şahin H.

1. Uluslararası Erciyes Bilimsel Araştırmalar Kongresi, Kayseri, Turkey, 26 - 28 April 2019, pp.1-5

XLV. Survey on Morphing Methods For Quadcopter

OKTAY T., Köse O., Çoban S.

6. Uluslararası Mesleki ve Teknik Bilimler Kongresi, Iğdır, Turkey, 11 - 12 April 2019, pp.11-20

XLVI. The Effect of Collective Morphing on the Lateral Flight In Quadcopter

Oktay T., Köse O.

6. Uluslararası Mesleki ve Teknik Bilimler Kongresi, Iğdır, Turkey, 11 - 12 April 2019, pp.1-5

XLVII. Prototyping Process of Fixed-Wing Unmanned Aerial Vehicle In General

Ceylan A., Çoban S., Oktay T.

Akdeniz 1. Uluslararası Multidisipliner Çalışmalar Kongresi, Mersin, Turkey, 1 - 03 March 2019, pp.1-5

XLVIII. Improving Performance and Manufacturing of a Morphing Winglet System

Ceylan A., Karatay E., Oktay T.

Akdeniz 1. Uluslararası Multidisipliner Çalışmalar Kongresi, Mersin, Turkey, 1 - 03 March 2019, pp.1-5

XLIX. The Effect of Collective Morphing on the Vertical Flight In Quadcopter

Oktay T., Köse O.

MAS International Conference of Mathematics, Engineering, Natural & Medical Sciences, Şanlıurfa, Turkey, 2 - 03 February 2019, pp.6-10

L. The Effect of Collective Morphing on the Longitudinal Flight In Quadcopter

Oktay T., Köse O.

MAS International Conference of Mathematics, Engineering, Natural & Medical Sciences, Şanlıurfa, Turkey, 2 - 03 February 2019, pp.1-5

LI. Survey on Flight Control Methods For Quadcopter

Oktay T., Köse O.

4. Uluslararası Mesleki ve Teknik Bilimler Kongresi (UMTEB), Erzurum, Turkey, 7 - 08 December 2018, pp.1-5

LII. Optimal Tuning of PID Controller For Lateral Flight of Research Based Quadcopter

Oktay T., Köse O.

4. Uluslararası Mesleki ve Teknik Bilimler Kongresi (UMTEB), Erzurum, Turkey, 7 - 08 December 2018, pp.1-5

LIII. A Literature Review For Applications of Soft Computing on Aeronautics

Arık S., Oktay T., Türkmen I.

4th International Conference on Engineering and Natural Sciences (ICENS 2018), Kyiv, Ukraine, 2 - 06 May 2018, pp.1-6

LIV. Unmanned Aerial Vehicles (UAVs) By Engine Type

Çoban S., Oktay T.

4th International Conference on Engineering and Natural Sciences (ICENS 2018), Kyiv, Ukraine, 2 - 06 May 2018, pp.1-6

LV. Optimization and Estimated Pareto Front of the Maximum Lift/ Drag Ratio and Roll Stability Coefficient

Arık S., Oktay T., Türkmen I.

4th International Conference on Engineering and Natural Sciences (ICENS 2018), Kyiv, Ukraine, 2 - 06 May 2018, pp.1-6

LVI. Input Variance Constrained Control of Morphing Tactical Unmanned Aerial Vehicles (TUAVs)

Çoban S., Oktay T.

- 4th International Conference on Engineering and Natural Sciences (ICENS 2018), Kyiv, Ukraine, 2 - 06 May 2018, pp.1-6
- LVII. **Effect Of Blower Location And Radius On Longitudinal Flight Control System Of UAVs**
Kanat Ö. Ö., Oktay T.
2. Uluslararası Multidisipliner Çalışmaları Kongresi, Adana, Turkey, 4 - 05 May 2018, pp.1-5
- LVIII. **Optimal Tuning of PID Controller For Forward Flight of Research Based Quadrotor**
Köse O., Oktay T.
2. Uluslararası Multidisipliner Çalışmaları Kongresi, Adana, Turkey, 4 - 05 May 2018, pp.1-5
- LIX. **Dynamic Modeling and Control of Research Based Quadcopter**
Oktay T., Köse O.
2. Uluslararası Multidisipliner Çalışmaları Kongresi, Adana, Turkey, 4 - 05 May 2018, pp.1-5
- LX. **Conceptual Design of High Altitude Long Endurance Unmanned Aircraft**
Oktay T., Ceylan A.
2. Uluslararası Multidisipliner Çalışmaları Kongresi, Adana, Turkey, 4 - 05 May 2018, pp.1-5
- LXI. **Effect Of Blower Location And Radius On Lateral Flight Control System Of UAVs**
Kanat Ö. Ö., Oktay T.
2. Uluslararası Multidisipliner Çalışmaları Kongresi, Adana, Turkey, 4 - 05 May 2018, pp.1-5
- LXII. **Detailed Design Of High Altitude Long Endurance Unmanned Aircraft**
Ceylan A., Oktay T.
2. Uluslararası Multidisipliner Çalışmaları Kongresi, Adana, Turkey, 4 - 05 May 2018, pp.1-5
- LXIII. **Trikopterin Özellikleri, Diğer İnsansız Hava Araçları ile Karşılaştırılması ve Özgün Trikopterimiz**
OKTAY T., Şahin H.
IV. Ulusal Havacılık Teknolojisi ve Uygulamaları Konferansı, İzmir, Turkey, 17 - 18 November 2017, pp.1-6
- LXIV. **İnsansız Hava Araçlarının Hukuki ve Etik Boyutu**
ÇOBAN S., OKTAY T.
IV. Ulusal Havacılık Teknolojisi ve Uygulamaları Konferansı, İzmir, Turkey, 17 - 18 November 2017, pp.1-5
- LXV. **Powerplant System Design For Unmanned Tricopter**
Şahin H., Oktay T.
International Conference on Technology, Engineering and Science (IConTES), Antalya, Turkey, 26 - 29 October 2017, pp.1-14
- LXVI. **A Review Of Tactical Unmanned Aerial Vehicle Design Studies**
Çoban S., Oktay T.
International Conference on Technology, Engineering and Science (IConTES), Antalya, Turkey, 26 - 29 October 2017, pp.1-6
- LXVII. **A Review of Aerodynamic Active Flow Control**
Oktay T., Kanat Ö. Ö.
8th International Advanced Technologies Symposium, Elazığ, Turkey, 19 - 22 October 2017, pp.1-10
- LXVIII. **Improvement of Wingtip Vortices with Active Flow Controller Having Several Blowing Points**
Oktay T., Kanat Ö. Ö., Ceyhan A.
8th International Advanced Technologies Symposium, Elazığ, Turkey, 19 - 22 October 2017, pp.1-10
- LXIX. **A Review of Helicopter Redesign**
Oktay T., Şal F.
9th Ankara International Aerospace Conference, Ankara, Turkey, 20 - 22 September 2017, pp.1-5
- LXX. **Simultaneous Longitudinal and Lateral Flight Control Systems Design For Both Passive and Active Morphing TUAVs**
Oktay T., Çoban S.
21th International Conference Electronics 2017, Plunge, Lithuania, 19 - 21 June 2017, pp.1-5
- LXXI. **A Motion Blur Kernel Model Serived From Euler Angles of Aerial Vehicle**
Çelik H., Türkmen I., Oktay T.
International Conference on Mathematics and Engineering (ICOME 2017), İstanbul, Turkey, 10 - 12 May 2017
- LXXII. **Exposure time optimization for a moving camera**

Çelik H., Türkmen I., Oktay T.

3rd International Conference on Engineering and Natural Sciences (ICENS 2017), Budapest, Hungary, 3 - 07 May 2017, pp.549

LXXIII. A Review of Aerodynamic Shape Optimization

Oktay T., Uzun M.

ICENS Int. Conf. on Engineering and Natural Science, 03-07May 2017, Budapest, Budapest, Hungary, 3 - 07 May 2017, pp.6-10

LXXIV. Aerodynamic Shape Improvement For Fines Maximization of TUAVs

Oktay T., Uzun M.

ICENS Int. Conf. on Engineering and Natural Science, 03-07May 2017, Budapest, Budapest, Hungary, 3 - 07 May 2017, pp.1-5

LXXV. Variance Constrained Vibration Control of Morphing Tactical Unmanned Aerial Vehicles (TUAVs)

Oktay T., Çoban S.

2. International Defence Industry Symposium, Kırıkkale, Turkey, 6 - 08 April 2017, pp.12-16

LXXVI. Improvement of Wingtip Vortex With Active Flow Control Technique

Oktay T., Uzun M., Kanat Ö. Ö.

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LXXVII. Lateral Autonomous Performance Maximization of Tactical Unmanned Aerial Vehicles By Integrated Passive and Active Morphing

Oktay T., Çoban S.

6th International Research Conference on Science, Management and Engineering (IRCSME 2017), Dubai, United Arab Emirates, 4 - 06 January 2017, pp.6-10

LXXVIII. Effect of Combined Blade Root Chord Length and Blade Taper on Manned Helicopter Control Effort

Oktay T., Şal F.

6th International Research Conference on Science, Management and Engineering (IRCSME 2017), Dubai, United Arab Emirates, 4 - 06 January 2017, pp.1-5

LXXIX. İnsansız Bir Hava Aracının Yanal Durum-Uzay Modelinin Ve Uçuş Kontrol Sisteminin Eş Zamanlı Tasarımı

Çoban S., Oktay T., Çelik H., Ekinci İ.

6. Ulusal Havacılık Ve Uzay Konferansı, Kocaeli, Turkey, 28 September - 30 October 2016

LXXX. Improving Quality of Deblurred Images by Maximizing Autonomous Performance of Fixed-Wing Unmanned Aerial Vehicle

Oktay T., Çelik H., Türkmen I.

9th International Conference on Sustainable Energy and Environmental Protection, Kayseri, Turkey, 22 - 26 September 2016, pp.1-5

LXXXI. Performance Maximization of Tactical Unmanned Aerial Vehicles via Integrated Passive and Active Morphing

Oktay T.

The 5th International Conference on Science, Technology, Engineering and Management 2016 (ICSTEM 2016), Dubai, United Arab Emirates, 1 - 03 September 2016, pp.1-5

LXXXII. Blade Taper Effect on Control Effort and Puma SA 330 Application on Simulation Environment

Oktay T., Şal F.

2nd International Symposium on Sustainable Aviation (ISSA 2016), İstanbul, Turkey, 29 May - 01 June 2016, pp.1-10

LXXXIII. Aerodynamic Tailcone Shape Optimization for Autonomous Navigation Performance Maximization of Morphing Aerial Robot

Oktay T., Uzun M.

2nd International Conference on Engineering and Natural Sciences (ICENS 2016), Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.1-5

LXXXIV. Aerodynamic Nose Shape Optimization for Performance Maximization of Morphing Autonomous

Aerial Robot

Oktay T., Uzun M., Yılmaz I., Konar M.

2nd International Conference on Engineering and Natural Sciences (ICENS 2016), Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.1-8

- LXXXV. **Deblurring Images Taken by a Quadrotor Using Artificial Neural Networks**
Çelik H., Türkmen I., Oktay T.
2nd International Conference on Engineering and Natural Sciences (ICENS 2016), Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.6-10
- LXXXVI. **Reducing motion blur by constrained control of helicopter vibration**
Çelik H., Oktay T., Türkmen I., Uzun M.
2nd International Conference on Engineering and Natural Sciences (ICENS 2016), Sarajevo, Bosnia And Herzegovina, 24 - 28 May 2016, pp.11-15
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18th International Conference on Aerospace, Mechanical, Automotive and Materials Engineering (ICAMAME 2016), Dubai, United Arab Emirates, 28 - 29 January 2016, pp.1-10
- LXXXVIII. **Autonomous Flight Performance Improvement of Load Carrying Unmanned Aerial Vehicles by Active Morphing**
Oktay T., Konar M., Mohamed M. A., Aydın M., Şal F., Onay M., Soylak M.
18th International Conference on Unmanned Aircraft Systems and Technology, Zürich, Switzerland, 12 - 13 January 2016, pp.1-5
- LXXXIX. **İnsansız Hibrid Bir Hava Aracının (HİHA) Otonom Performansının En İyilenmesi**
UZUN M., OKTAY T., KONAR M.
III. Ulusal Havacılık Teknolojisi ve Uygulamaları Kongresi (UHAT 2015), İzmir, Turkey, 23 - 24 October 2015
- XC. **Helikopter Birleştirilmiş Başkalaşım Yönteminin Genişletilmiş Analizi**
OKTAY T., Şal F.
III. Ulusal Havacılık Teknolojisi ve Uygulamaları Kongresi (UHAT 2015), İzmir, Turkey, 23 - 24 October 2015
- XCI. **New Methods For Helicopter Flight Control**
Oktay T., Şal F.
8th Ankara International Aerospace Conference, Ankara, Turkey, 10 - 12 September 2015, pp.1-11
- XCII. **Autopilot Parameters Tunings For Best Performance**
Abdallah Mohamed M., Oktay T., Konar M.
8th Ankara International Aerospace Conference, Ankara, Turkey, 10 - 12 September 2015, pp.1-11
- XCIII. **Integrated Autopilot Tuning and Unmanned Aerial Vehicle (UAV) Design**
Oktay T., Konar M., Onay M., Abdallah Mohamed M.
6th European Conference For Aeronautics and Space Science, Krakow, Poland, 29 June - 03 July 2015, pp.1-5
- XCIV. **Energy Saving Via Integrated Passive and Active Morphing During Maneuvers**
Oktay T., Şal F.
1st International Symposium on Sustainable Aviation, İstanbul, Turkey, 31 May - 03 June 2015, pp.1-5
- XCV. **Robustness of Variance Constrained Controllers For Complex, Control Oriented Helicopter Models**
Oktay T., Sultan C.
American Control Conference (ACC), Washington, Kiribati, 17 - 19 June 2013, pp.794-799
- XCVI. **Model Predictive Control of Maneuvering Helicopters**
Oktay T., Sultan C.
AIAA Guidance, Navigation and Control Conference, Minnesota, United States Of America, 13 - 16 August 2012
- XCVII. **Integrated Maneuvering Helicopter Model and Controller Design**
Oktay T., Sultan C.
AIAA Guidance, Navigation and Control Conference, Minnesota, United States Of America, 13 - 16 August 2012
- XCVIII. **Variance Constrained Control of Maneuvering Helicopters**
Oktay T., Sultan C.
American Helicopter Society 68th Annual Forum, Texas, United States Of America, 1 - 03 May 2012

XCIX. Dönen ve Daralan Euler-Bernoulli Kirişinin Titreşim Kontrolü

Oktay T., Özgümüş Ö. Ö., Kaya M. O.

2. Ulusal Havacılık ve Uzak Konferansı, İstanbul, Turkey, 15 - 17 October 2008, pp.1-10

Supported Projects

- Oktay T., Köse O., Özen E., Kocamer A., Project Supported by Higher Education Institutions, Çok Rotorlu İHA'larda Rassal Optimizasyon Yaklaşımları ile Beraber Uçuş Performansı Maksimizasyonu, 2022 - 2024
- OKTAY T., KÖSE O., KÖSE O., Project Supported by Higher Education Institutions, Quadrotor Kontrolünde İnovatif Yöntemler, 2020 - 2022
- OKTAY T., ŞAHİN H., KONAR M., Project Supported by Higher Education Institutions, Döner Kanatlı Hava Araçlarının Uçuş Performansı Optimizasyonu, 2020 - 2022
- KONAR M., ŞAHİN H., OKTAY T., BAĞIŞ A., ARIK S., Project Supported by Higher Education Institutions, Elektrikli Küçük İnsansız Bir Helikopter Tasarımı İmalatı ve İnovatif Yaklaşımlarla Otonom Uçuş Performansının Maksimizasyonu, 2018 - 2021
- Oktay T., Konar M., Onay M., EU Supported Other Project, (Erasmus + KA 203) Developing Novel UAV Education Set and Training Curriculum In order to Catch State of The Art Technology, 2018 - 2020
- OKTAY T., KANAT Ö. Ö., Project Supported by Higher Education Institutions, Aktif Akış Kontrol Ve Otonom Kontrol Yöntemlerinin Birlikte İnsansız Hava Araçları Üzerine Uygulaması, 2018 - 2020
- OKTAY T., CEYLAN A., Project Supported by Higher Education Institutions, Yüksek İrtifa, Uzun Menzil İHA Tasarımı ve Uçuş Testleri, 2018 - 2019
- Oktay T., Konar M., Project Supported by Other Official Institutions, Yüksek Performanslı, Aerodinamik Mukemmel, Ticari Bir Trikopter (Kosgeb - Pazarlama Desteği), 2018 - 2018
- Oktay T., Konar M., Project Supported by Other Official Institutions, Yüksek Performanslı, Aerodinamik Mukemmel, Ticari Bir Trikopter (Kosgeb Endüstriyel Uygulama Seri - İmalat Desteği), 2018 - 2018
- OKTAY T., CEYLAN A., KARATAY E., Project Supported by Higher Education Institutions, Optimum Kuyruk Takımı Tasarımı ile Küçük İHaların Otonom Performansının Arttırılması, 2018 - 2018
- Oktay T., Konar M., Uzun M., TÜBİTAK Project, (Tübitak Teydeb-1507) Performansı Arttırılmış Hibrid İnsansız Hava Aracı (Hiha) Üretimi Ve Otonom Kontrolü, 2017 - 2018
- OKTAY T., ŞAHİN H., Project Supported by Higher Education Institutions, Başkalaşan Özgün Bir Tricopter İçin Güç Sistemi Tasarımı, 2017 - 2018
- Oktay T., TÜBİTAK Project, (Tübitak 2209b) Sportif Havacılık İçin Düşük Maliyetli ve Kablosuz Haberleşebilen Variometre Gerçekleştirimi, 2017 - 2018
- OKTAY T., CEYHAN A., Project Supported by Higher Education Institutions, Aerodinamik kontrol için yapay jet akışlı eyleyici, 2017 - 2018
- Oktay T., TÜBİTAK Project, (Tübitak Ardeb 1001) Taktik İnsansız Hava Aracı (Tiha) Tasarımı, Üretimi Ve Otonom Kontrolü, İle Teorik Ve Pratik Yeni Otonom Performans İyileştirme Yöntemlerinin Uygulamaları, 2015 - 2018
- Oktay T., Konar M., Uzun M., Project Supported by Other Official Institutions, Yüksek Performanslı, Aerodinamik Mukemmel, Ticari Bir Trikopter İmalatı (Kosgeb Arge ve İnovasyon), 2016 - 2017
- TÜRKMEN İ., ÇELİK H., OKTAY T., ARIK S., Project Supported by Higher Education Institutions, Aerodinamik Şekil Optimizasyonunda Yapay Zeka Tekniklerinin Kullanılması, 2015 - 2017
- Oktay T., Onay M., TÜBİTAK Project, (Tübitak Ardeb 3001- Danışman) İnsansız Hava Aracı (İHA), Uçuş Kontrol Sistemi ve Kamera Konumunun Birlikte Tasarlanarak Görüntü Kalitesinin En İyilenmesi, 2015 - 2017
- Oktay T., TÜBİTAK Project, (Tübitak Ardeb 3501) - Kanat ve Yatay Kuyruk Aktif Başkalaşımı Sayesinde Yük Taşıyan İnsansız Hava Araçlarının (İHA) Performansının İyileştirilmesi, 2015 - 2017
- OKTAY T., ONAY M., KONAR M., ŞAL F., Project Supported by Higher Education Institutions, İnsansız küçük bir helikopterin modellenmesi otomatik kontrolü ve otopilotlu gerçek zamanlı uygulaması, 2015 - 2016
- Oktay T., TÜBİTAK Project, (Tübitak Ardeb 3001) Uçuş Kontrol Sistemi Ve Küçük İnsansız Hava Aracının Es Zamanlı Tasarımı Ve Gerçek Zamanlı Uygulaması, 2014 - 2016
- OKTAY T., Project Supported by Higher Education Institutions, Hareketli Yatay Kuyruk Yüzeyi Vasıtasıyla Helikopter

Kontrolünde Enerji Tasarrufu, 2013 - 2014

Activities in Scientific Journals

Frontiers in Aerospace Engineering, Committee Member, 2022 - Continues
FRONTIERS IN EARTH SCIENCE, Committee Member, 2022 - Continues
ENERGY, ENVIRONMENT & STORAGE AN INTERNATIONAL JOURNAL, Committee Member, 2020 - Continues
Insight - Engineering and Technology, Committee Member, 2018 - Continues
Progress in Human Computer Interaction, Committee Member, 2018 - Continues
MAYFEB Journal of Control and Systems Engineering, Committee Member, 2016 - Continues
Challenge Journal of Aviation, Committee Member, 2015 - Continues

Memberships / Tasks in Scientific Organizations

Makina Mühendisleri Odası, Member, 2016 - Continues, Turkey

Scientific Refereeing

Project Supported by Public Organizations in Other Countries, National center of science and technology, Kazakistan, Kazakhstan, August 2022
TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, Erciyes University, Turkey, February 2022
Project Supported by Public Organizations in Other Countries, The Latvian Council of Science (LCS) of the Republic of Latvia, Latvia, November 2021
TUBITAK Project, 1505 - University-Industry Cooperation Support Program, Erciyes University, Turkey, September 2020
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Erciyes University, Turkey, September 2020
Project Supported by Public Organizations in Other Countries, National center of science and technology, Kazakistan, Kazakhstan, September 2020
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Erciyes University, Turkey, September 2020
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Erciyes University, Turkey, August 2020
TUBITAK Project, 1005 - National New Ideas and Products Research Support Program, Erciyes University, Turkey, July 2020
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Erciyes University, Turkey, July 2020
TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, Erciyes University, Turkey, July 2020
Aviation, Journal Indexed in ESCI, May 2020
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, SCI Journal, May 2020
Aviation, Journal Indexed in ESCI, April 2020
TUBITAK Project, 3501 - National Young Researcher Career Development Program, Erciyes University, Turkey, April 2020
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, SCI Journal, March 2020
Aviation, Journal Indexed in ESCI, March 2020
JOURNAL OF NAVIGATION, SCI Journal, March 2020
IEEE ACCESS, SCI Journal, March 2020
TUBITAK Project, 2244 - Industrial Phd. Program Project, Erciyes University, Turkey, March 2020
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Erciyes University, Turkey, March 2020
SHOCK AND VIBRATION, SCI Journal, February 2020

ENGINEERING COMPUTATIONS, SCI Journal, February 2020
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING, SCI Journal, February 2020
FLUCTUATION AND NOISE LETTERS, SCI Journal, February 2020
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Erciyes University, Turkey, February 2020
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Erciyes University, Turkey, February 2020
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Erciyes University, Turkey, February 2020
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Erciyes University, Turkey, February 2020
JOURNAL OF AEROSPACE ENGINEERING, SCI Journal, January 2020
IEEE-ASME TRANSACTIONS ON MECHATRONICS, SCI Journal, January 2020
Aviation, Other Indexed Journal, January 2020
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Erciyes University, Turkey, January 2020
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Erciyes University, Turkey, January 2020
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART I-JOURNAL OF SYSTEMS AND CONTROL ENGINEERING, SCI Journal, December 2019
JOURNAL OF VIBRATION AND CONTROL, SCI Journal, December 2019
MATHEMATICAL PROBLEMS IN ENGINEERING, SCI Journal, December 2019
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING, SCI Journal, December 2019
Aviation, Journal Indexed in ESCI, December 2019
IEEE ACCESS, SCI Journal, December 2019
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, TEYDEB, Turkey, December 2019
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, SCI Journal, November 2019
JOURNAL OF VIBRATION AND CONTROL, SCI Journal, November 2019
TÜBİTAK International Bilateral Joint Cooperation Program Project, Korean National Research Foundation, NRF Bilateral Joint Cooperation Program, Tübitak, Turkey, November 2019
Project Supported by Higher Education Institutions, BAP Research Project, Adana Science And Technology University, Turkey, November 2019
IEEE ACCESS, SCI Journal, October 2019
Journal of Robotics, Other Indexed Journal, October 2019
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Erciyes University, Turkey, October 2019
Project Supported by Higher Education Institutions, BAP Research Project, Selcuk University, Turkey, October 2019
Project Supported by Public Organizations in Other Countries, National center of science and technology, Kazakhstan, October 2019
INTERNATIONAL JOURNAL OF AEROSPACE ENGINEERING, SCI Journal, September 2019
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Erciyes University, Turkey, September 2019
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Erciyes University, Turkey, September 2019
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Erciyes University, Turkey, August 2019
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Erciyes University, Turkey, August 2019
Current Signal Transduction Therapy, Journal Indexed in ESCI, June 2019
IEEE-Asme Transactions On Mechatronics, SCI Journal, June 2019
Aerospace Science And Technology, SCI Journal, June 2019
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Teydeb, Turkey, June 2019
IEEE ACCESS, SCI Journal, May 2019
INTERNATIONAL JOURNAL OF AEROSPACE ENGINEERING, SCI Journal, May 2019
IEEE-ASME TRANSACTIONS ON MECHATRONICS, SCI Journal, May 2019
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, SCI Journal, May 2019
Project Supported by Higher Education Institutions, BAP Research Project, Adana Bilim Ve Teknoloji Üniversitesi, Turkey, May 2019
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Erciyes Üniversitesi, Turkey, May 2019

TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, Erciyes Üniversitesi, Turkey, May 2019

IEEE-ASME TRANSACTIONS ON MECHATRONICS, SCI Journal, April 2019

Aviation, Other Indexed Journal, March 2019

Journal of Vibration and Control, SCI Journal, March 2019

IEEE/ASME Transactions on Mechatronics, SCI Journal, March 2019

TUBITAK Project, 1501 - Industry R & D Projects Support Program, --, Turkey, March 2019

Journal of Vibration and Control, SCI Journal, February 2019

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, --, Turkey, February 2019

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, --, Turkey, February 2019

IEEE/ASME Transactions on Mechatronics, SCI Journal, January 2019

Recent Advances in Electrical and Electronic Engineering, Other Indexed Journal, January 2019

TUBITAK Project, 1002 - Quick Support Program, --, Turkey, January 2019

TUBITAK Project, 3501 - National Young Researcher Career Development Program, --, Turkey, January 2019

Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, SCI Journal, December 2018

The Journal of the Brazilian Society of Mechanical Sciences and Engineering, SCI Journal, December 2018

Recent Advances in Electrical and Electronic Engineering, Other Indexed Journal, December 2018

TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, December 2018

Project Supported by Higher Education Institutions, BAP Research Project, Adana Bilim Ve Teknoloji Üniversitesi, Turkey, December 2018

TUBITAK Project, 1501 - Industry R & D Projects Support Program, --, Turkey, December 2018

Recent Advances in Electrical and Electronic Engineering, SCI Journal, November 2018

TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, November 2018

Project Supported by Higher Education Institutions, BAP Research Project, Adana Bilim Ve Teknoloji Üniversitesi, Turkey, November 2018

TUBITAK Project, 2244 - Industrial Phd. Program Project, --, Turkey, November 2018

TUBITAK Project, 1501 - Industry R & D Projects Support Program, --, Turkey, November 2018

Mechatronics, SCI Journal, October 2018

IEEE/ASME Transactions on Mechatronics, SCI Journal, October 2018

Project Supported by Higher Education Institutions, BAP Research Project, Selçuk Üniversitesi, Turkey, October 2018

Journal of Vibration and Control, SCI Journal, September 2018

IEEE/ASME Transactions on Mechatronics, SCI Journal, July 2018

TUBITAK Project, 1501 - Industry R & D Projects Support Program, --, Turkey, July 2018

TUBITAK Project, 1509 - TÜBİTAK International Industry R&D Projects Support Program, --, Turkey, July 2018

Project Supported by Other Official Institutions, Bilim,Sanayi,Teknoloji Bakanlığı, TCI Kabin İçi Sistemleri Arge Merkezi Denetimi-Hakem, Turkey, July 2018

Chinese Journal of Aeronautics, SCI Journal, June 2018

IEEE/ASME Transactions on Mechatronics, SCI Journal, June 2018

Smart Materials and Structures, SCI Journal, June 2018

Fluctuation and Noise Letters, SCI Journal, June 2018

Project Supported by Other Official Institutions, Bilim,Sanayi,Teknoloji Bakanlığı, TAI Arge Merkezi Denetimi-Hakem, Turkey, June 2018

TUBITAK Project, June 2018

Asian Journal of Control, SCI Journal, May 2018

TUBITAK Project, 1002 - Quick Support Program, --, Turkey, May 2018

Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, SCI Journal, April 2018

IEEE/ASME Transactions on Mechatronics, SCI Journal, April 2018

TUBITAK Project, 3501 - National Young Researcher Career Development Program, --, Turkey, April 2018

Project Supported by Other Official Institutions, Bilim,Sanayi,Teknoloji Bakanlığı, Skyjet Havacılık Teknik ve Eğitim AŞ Arge Merkezi Denetimi-Hakem, Turkey, April 2018

IEEE/ASME Transactions on Mechatronics, SCI Journal, March 2018

International Advanced Researches and Engineering Journal, National Scientific Refreed Journal, March 2018

TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, February 2018

IEEE/ASME Transactions on Mechatronics, SCI Journal, February 2018

European Journal of Control, SCI Journal, January 2018

International Journal of Systems Science - Taylor & Francis Online, SCI Journal, December 2017

Journal of The Franklin Institute - Elsevier, SCI Journal, December 2017

IEEE/ASME Transactions on Mechatronics, SCI Journal, December 2017

International Journal Of Aerospace Engineering, SCI Journal, November 2017

Project Supported by Other Official Institutions, Bilim,Sanayi,Teknoloji Bakanligi, Baykar Arge Merkezi Denetimi-Hakem, Turkey, October 2017

TUBITAK Project, 3501 - National Young Researcher Career Development Program, --, Turkey, October 2017

TUBITAK Project, 1501 - Industry R & D Projects Support Program, --, Turkey, August 2017

Project Supported by Other Official Institutions, Bilim,Sanayi,Teknoloji Bakanligi, STM Arge Merkezi Denetimi-Hakem, Turkey, August 2017

TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, --, Turkey, July 2017

Project Supported by Other Official Institutions, Bilim,Sanayi,Teknoloji Bakanligi, Alp Havacılık Arge Merkezi Denetimi-Hakem, Turkey, July 2017

TUBITAK Project, 1002 - Quick Support Program, --, Turkey, May 2017

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, --, Turkey, May 2017

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, --, Turkey, May 2017

TUBITAK Project, April 2017

Chinese Journal of Aeronautics, SCI Journal, February 2017

TUBITAK Project, 3001 - Initial R&D Projects Support Program, --, Turkey, February 2017

Project Supported by Other Official Institutions, Bilim,Sanayi,Teknoloji Bakanligi, TCI Cabin Interior Arge Merkezi Denetimi-Hakem, Turkey, October 2016

Project Supported by Other Official Institutions, Bilim,Sanayi,Teknoloji Bakanligi, Baykar Arge Merkezi Denetimi-Komisyon Üyeliği, Turkey, October 2016

Mehmet Akif Ersoy Üniversitesi Sosyal Bilimler Enstitüsü Dergisi, National Scientific Refreed Journal, September 2016

Anadolu Üniversitesi Bilim Ve Teknoloji Dergisi - A Uygulamalı Bilimler ve Mühendislik, National Scientific Refreed Journal, June 2016

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, --, Turkey, June 2016

Systems Science and Control Engineering An Open Access Journal, SCI Journal, May 2016

Journal of Aerospace Engineering, SCI Journal, May 2016

IEEE/ASME Transactions on Mechatronics, SCI Journal, March 2016

Project Supported by Other Official Institutions, Bilim, Sanayi, Teknoloji Bakanligi,TAİ Arge Merkezi Denetimi-Hakem, Turkey, March 2016

Aerospace Science and Technology, SCI Journal, February 2016

Aircraft Engineering and Aerospace Technology, SCI Journal, February 2016

TUBITAK Project, 1003 - Priority Areas R&D Projects Support Program, --, Turkey, February 2016

Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, SCI Journal, December 2015

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, --, Turkey, December 2015

Project Supported by Higher Education Institutions, BAP Research Project, Erciyes Üniversitesi, Turkey, December 2015

Aerospace Science and Technology, SCI Journal, November 2015

Project Supported by Other Official Institutions, Bilim, Sanayi, Teknoloji Bakanligi, Baykar Arge Merkezi Denetimi-Hakem, Turkey, November 2015

Aerospace Science and Technology, SCI Journal, September 2015

UHAT 2015, Other Journals, September 2015

Ulusal Havacılık Teknolojisi Konferansı, Other Journals, September 2015
Journal of Aircraft, SCI Journal, July 2015
ASME 2015 Dynamic Systems and Control Conference, Other journals, June 2015
Aerospace Science and Technology, SCI Journal, April 2015
Aerospace Science and Technology, SCI Journal, March 2015
Aerospace Science and Technology, SCI Journal, February 2015
Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, SCI Journal, February 2015
Journal of Franklin Institute, SCI Journal, July 2014
Aerospace Science and Technology, SCI Journal, July 2014
Aerospace Science and Technology, SCI Journal, February 2014
Journal of Franklin Institute, SCI Journal, February 2014
AIAA Guidance Navigation Conference 2012,2013, Other journals, February 2013
AIAA Guidance Navigation Conference 2012, Other journals, February 2012

Tasks In Event Organizations

Okday T., 10th International Conference on Recent Advances in Air and Space Technologies (RAST2023) (Scientific Advisory Board), Scientific Congress, İstanbul, Turkey, Haziran 2023
Okday T., 9th International Conference on Control, Decision and Information Technologies (CoDIT'23) (Bilim Kurulu Üyesi - IPC), Scientific Congress, Rome, Italy, Mayıs 2023
Okday T., 2nd International Conference on Energy, Environment and Storage of Energy (Organizasyon komitesi üyesi) , Scientific Congress, Turkey, Eylül 2022
Okday T., 8th 2022 International Conference on Control, Decision and Information Technologies (Bilim Kurulu Üyesi - IPC), Scientific Congress, İstanbul, Turkey, Mayıs 2022
Okday T., 1. Havacılık Öğrencileri Sempozyumu (Sempozyum Danışma Kurulu), Scientific Congress, Konya, Turkey, Mayıs 2022
Okday T., 1st International Conference on Energy, Environment and Storage of Energy (Organizasyon komitesi üyesi), Scientific Congress, Kayseri, Turkey, Kasım 2020
Okday T., 7th European conference for aeronautics and space sciences (Bilim kurulu üyesi), Scientific Congress, Milan, Italy, Temmuz 2017

Scientific Research / Working Group Memberships

United Technologies Research Center (Sikorsky Helicopters Department), Virginia Polytechnic Institute and State University, United States Of America, http://www.utrc.utc.com/pages/our_company.html, 2010 - 2010

Metrics

Publication: 167
Citation (WoS): 229
Citation (Scopus): 285
H-Index (WoS): 10
H-Index (Scopus): 10

Congress and Symposium Activities

International Conference of Aeronautics and Astronautics, Invited Speaker, Konya, Turkey, 2021

4th International Conference on Engineering and Natural Sciences (ICENS 2018), Kiew, Ukrayna, Konuşmacı, Attendee, Kyiv, Ukraine, 2018

21th International Conference Electronics 2017, Litvanya, Attendee, Plunge, Lithuania, 2017

6th International Research Conference on Science, Management and Engineering (IRCSME 2017), Dubai, Attendee, Dubayy, United Arab Emirates, 2017

5th International Conference on Science, Technology, Engineering and Management (ICSTEM), Attendee, Dubayy, United Arab Emirates, 2016

2nd International Conference on Engineering and Natural Sciences (ICENS), Konuşmacı, Attendee, Sarajevo, Bosnia And Herzegovina, 2016

Ulaştırma Denizcilik ve Haberleşme Bak. Milli Havacılık ve Uzay Teknolojileri Paydaş-Sektör Grup Toplantısı, Attendee, Ankara, Turkey, 2016

International Conference on Unmanned Aircraft Systems and Technology, ICUAST 2016, İsviçre (Konuşmacı), Attendee, Zürich, Switzerland, 2016

International Conference on Aerospace, Mechanical, Automotive and Materials Engineering, ICAMAME 2016, Birleşik Arap Emirlikleri (Konuşmacı), Attendee, Dubayy, United Arab Emirates, 2016

6th European Conference For Aeronautics and Space Science, EUCASS 2015, Polonya (Konuşmacı), Attendee, Krakow, Poland, 2015

The 1st International Symposium on Sustainable Aviation (ISSA-2015), Konuşmacı, Attendee, İstanbul, Turkey, 2015

Tübitak Proje Tanıtım Toplantısı (Uçuş Kontrol Sistemi ve Küçük İnsansız Hava Aracının Eş Zamanlı Tasarımı ve Gerçek Zamanlı Uygulaması, Konuşmacı), Attendee, Kayseri/ERÜ-SHYO, Turkey, 2015

Invited Talks

Morphing and Its Aeronautical Applications - International Conference of Aeronautics and Astronautics-, Conference, Selçuk Üniversitesi, Turkey, November 2021

Scholarships

Yurtdışı Doktora Bursu, Ministry of Education, 2009 - 2012