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Personal Information

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Education Information

Doctorate, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Sivil Havacılık Ana Bilim Dalı, Turkey 2013 - 2017

Dissertations

Doctorate, Havadan Alınan Görüntülerdeki Bulanıklığın Hava Aracı Otonom Performansı Yükseltilebilir Önlenebilirliği, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Sivil Havacılık, 2017

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Biomedical Engineering, Aeronautical and Space Engineering, Aeronautical Engineering , Aircraft System Technologies, Flight Control Systems, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Erciyes University, Havacılık Ve Uzay Bilimleri Fakültesi, Uzay Mühendisliği, 2020 - Continues
Research Assistant, Erciyes University, Havacılık Ve Uzay Bilimleri Fakültesi, Uçak Elektrik-Elektronik , 2013 - 2020

Courses

Bakım Uygulamaları II, Under Graduate, 2017 - 2018, 2018 - 2019, 2019 - 2020

Elektronik Göstergeler ve Sistemler, Under Graduate, 2019 - 2020

Hava Aracı Yapı ve Sistemleri Uygulamaları, Under Graduate, 2019 - 2020

İnsansız Hava Araçları, Under Graduate, 2018 - 2019

Uçak Temel Bilgisi, Under Graduate, 2019 - 2020

Hava Aracı Sistemleri, Under Graduate, 2017 - 2018

Lojik Devre Tasarımı , Under Graduate, 2018 - 2019

Elektronik Göstergeler ve Sistemler, Under Graduate, 2018 - 2019

Elektrik Bilgisi, Under Graduate, 2018 - 2019

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

- **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 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **Neural network based redesign of morphing UAV for simultaneous improvement of roll stability and maximum lift/drag ratio**
Oktay T., Arık S., Türkmen I., Uzun M., Celik H.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.90, pp.1203-1212, 2018 (Journal Indexed in SCI)
- **Incorporation of Neural Network to HPMHT for Tracking Multiple Targets**
TÜRKMEN I., ÇELİK H.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.21, pp.3-6, 2015 (Journal Indexed in SCI)

Articles Published in Other Journals

- **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, pp.51-65, 2019 (International Refereed University Journal)
- **PID BASED HIERARCHICAL AUTONOMOUS SYSTEM PERFORMANCE MAXIMIZATION OF A HYBRID UNMANNED AERIAL VEHICLE (HUAV)**
OKTAY T., UZUN M., ÇELİK h., KONAR M.
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY A - Applied Sciences and Engineering, vol.18, pp.1, 2017 (Refereed Journals of Other Institutions)
- **A novel learning algorithm to optimize the fuselage drag coefficient**
OKTAY T., ÇELİK H., UZUN M.
Sakarya University Journal Of Science, 2017 (National Refreed University Journal)
- **Model Predictive Control and Robustness Test of The Unmanned Aerial Vehicle (Zanka-I) in Various Turbulence**
Çelik H., Oktay T., Türkmen I.
Journal of Aeronautics and Space Technologies, vol.9, pp.31-42, 2016 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- **Image based guidance for near rendezvous and docking of spacecraft**
Çelik H.
3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, Ankara, Turkey, 11 - 13 October 2019, pp.1-4
- **A Motion Blur Kernel Model Serived From Euler Angles of Aerial Vehicle**
ÇELİK H., TÜRKMEN I., OKTAY T.
International Conference on Mathematics and Engineering (ICOME 2017), İstanbul, Turkey, 10 - 12 May 2017
- **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
- **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

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

Airspeed Computation for Aircrafts with ANFIS Using Flight Parameters

TÜRKMEN I., ÇELİK H.

The 2nd International Conference on Engineering and Natural Sciences (ICENS 2016), Saraybosna, Bosnia And Herzegovina, 24 - 28 May 2016, pp.1375-1379

Reducing motion blur by constrained control of helicopter vibration

ÇELİK H., OKTAY T., TÜRKMEN I., UZUN M.

2nd International Conference on Engineering and Natural Sciences (ICENS 2016), Saraybosna, Bosnia And Herzegovina, 24 - 28 May 2016

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

Edge Detection in Aircraft ISAR Image Through The Ant Colony Algorithm

ÇELİK H., TÜRKMEN I.

The International Symposium on Sustainable Aviation (ISSA-2015), İstanbul, Turkey, 31 May 2015 - 03 June 2015, pp.106

Supported Projects

TÜRKMEN İ., ÇELİK H., OKTAY T., ARIK S., Project Supported by Higher Education Institutions, Aerodinamik Şekil Optimizasyonunda Yapay Zeka Tekniklerinin Kullanılması, 2015 - 2017

Citations

Total Citations (WOS):15

h-index (WOS):2