

## Asst. Prof. SEDA ARIK HATİPOĞLU

### Personal Information

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### Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Sivil Havacılık, Turkey 2014 - 2018

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği/Elektronik, Turkey 2010 - 2015

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Sivil Havacılık, Turkey 2012 - 2014

Undergraduate, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, Turkey 2006 - 2010

### Dissertations

Doctorate, İnsansız Hava Araçlarının Optimum Şeklinin Esnek Hesaplama Yöntemleri İle Belirlenmesi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Sivil Havacılık, 2018

Postgraduate, Memristor Based Nonlinear System Applications, Erciyes University, Havacılık Ve Uzay Bilimleri Fakültesi, Havacılık Elektrik Ve Elektronik, 2015

Postgraduate, Yapay Sinir Ağları Kullanılarak Hava Veri Bilgisayarı Parametrelerinin Hesaplanması, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Sivil Havacılık, 2014

### Research Areas

Technical Sciences, Computer Sciences, algorithms, Artificial Intelligence, Computer Learning and Pattern Recognition, Neural Networks, Electrical and Electronics Engineering, Electronic

### Academic Titles / Tasks

Assistant Professor, Erciyes University, Havacılık Ve Uzay Bilimleri Fakültesi, Havacılık Elektrik Ve Elektronik, 2020 - Continues

Research Assistant, Erciyes University, Havacılık Ve Uzay Bilimleri Fakültesi, Havacılık Elektrik Ve Elektronik, 2011 - 2020

### Published journal articles indexed by SCI, SSCI, and AHCI

- 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 (Peer-Reviewed Journal)
- 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 (Peer-Reviewed Journal)

**III. RECONFIGURABLE HARDWARE PLATFORM FOR EXPERIMENTAL TESTING AND VERIFYING OF MEMRISTOR-BASED CHAOTIC SYSTEMS**

ARIK S., KILIÇ R.

JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, vol.23, no.10, 2014 (Peer-Reviewed Journal)

## Articles Published in Other Journals

**I. A New Alternative Air Data Computation Method Based on Artificial Neural Networks**

TÜRKMEN İ., ARIK S.

Journal of Aeronautics and Space Technologies, 2017 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

**I. Realization of the Thrust Test of Brushless Motors Used In Unmanned Aerial Vehicles**

Akpınar M., Arık Hatipoğlu S., Konar M.

2nd International Baku Scientific Research Conference, Baku, Azerbaijan, 28 - 30 April 2021, pp.8-13

**II. 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

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

ARIK S., OKTAY T., TÜRKMEN I.

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

**IV. 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

**V. Mach Sayısının Yapay Sinir Ağları ile Hesaplanması**

TÜRKMEN İ., ARIK S.

Ulusal Havacılık ve Uzay Konferansı (UHUK), Kayseri, Turkey, 8 - 10 September 2014

**VI. Reconfigurable Implementations of PWL-Based Multiscroll Chaos Generator**

ARIK S., KORKMAZ N., Ozturk I., KILIÇ R., GÜNAY E.

8th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30 November 2013, pp.604-608

## 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

## Metrics

Publication: 10

Citation (WoS): 21

Citation (Scopus): 4

H-Index (WoS): 3

H-Index (Scopus): 1