

## Lect. PhD OSMAN ERAY

### Personal Information

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### International Researcher IDs

ScholarID: ABmCxZ4AAAAJ

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Publons / Web Of Science ResearcherID: I-5820-2017

ScopusID: 57188875954

Yoksis Researcher ID: 205536

### Education Information

Doctorate, Pamukkale University, Institute Of Science, Elektrik-Elektronik Mühendisliği, Turkey 2013 - 2020

Postgraduate, Pamukkale University, Institute Of Science, Elektrik-Elektronik Mühendisliği, Turkey 2006 - 2008

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği, Turkey 1996 - 2002

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Kesir-mertebeli kayma kipli kontrolör için değişken kayma yüzeyi tasarımı, Pamukkale University, 2020

Postgraduate, Destek vektör makineleri ile ses tanıma uygulaması, Pamukkale University, 2008

### Research Areas

Checker, Artificial Intelligence, Computer Learning and Pattern Recognition, Programming Languages

### Academic Titles / Tasks

Lecturer, Akdeniz University, Korkuteli Vocational School, Department of Computer Technologies, 2007 - Continues

Lecturer, Burdur Mehmet Akif Ersoy University, Vocational School, Bilgisayar Programcılığı, 2006 - 2007

Lecturer, Suleyman Demirel University, Gölhisar Meslek Yüksekokulu, Bilgisayar Programcılığı, 2003 - 2006

### Academic and Administrative Experience

Head of Department, Akdeniz University, Korkuteli Vocational School, Department of Computer Technologies, 2019 - Continues

Program Koordinatörü, Akdeniz University, Korkuteli Vocational School, Department of Computer Technologies, 2014 - Continues

Program Koordinatörü, Akdeniz University, Korkuteli Vocational School, Department of Computer Technologies, 2007 - 2011

## Courses

Veritabanı II, Associate Degree, 2023 - 2024

Mikrobilgisayar Sistemleri, Associate Degree, 2023 - 2024

Programlama Teknikleri, Associate Degree, 2023 - 2024

İnternet Programcılığı II, Associate Degree, 2022 - 2023

Veritabanı I, Associate Degree, 2023 - 2024

Programlamanın Temelleri, Associate Degree, 2023 - 2024

İçerik Yönetim Sistemleri, Associate Degree, 2023 - 2024

İnternet Programcılığı I, Associate Degree, 2023 - 2024

Nesne Tabanlı Programlama II, Associate Degree, 2022 - 2023

İleri Programlama, Associate Degree, 2022 - 2023

Yazılım Mimarileri, Associate Degree, 2023 - 2024

Web Tasarımının Temelleri, Associate Degree, 2023 - 2024

Nesne Tabanlı Programlama I, Associate Degree, 2023 - 2024

Görsel Programlama II, Associate Degree, 2022 - 2023

Görsel Programlama I, Associate Degree, 2023 - 2024

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

- I. **The design of a fractional-order sliding mode controller with a time-varying sliding surface**  
ERAY O., TOKAT S.  
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.42, no.16, pp.3196-3215, 2020 (SCI-Expanded)
- II. **A Classification and Overview of Sliding Mode Controller Sliding Surface Design Methods**  
TOKAT S., FADALI M. S., ERAY O.  
RECENT ADVANCES IN SLIDING MODES: FROM CONTROL TO INTELLIGENT MECHATRONICS, vol.24, pp.417-439, 2015 (SCI-Expanded)

## Books & Book Chapters

- I. **A Classification and Overview of Sliding Mode Controller Sliding Surface Design Methods**  
TOKAT S., FADALI M. S., ERAY O.  
in: Recent Advances in Sliding Modes: From Control to Intelligent Mechatronics, Yu X., Efe M.Ö., Editor, Springer International Switzerland Publishing, Cham, pp.417-439, 2015

## Refereed Congress / Symposium Publications in Proceedings

- I. **Kesir-mertebeli kayma kipli bulanık kontrolör tasarımı**  
ERAY O.  
2020 IEEE 4th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT),

İstanbul, Turkey, 22 - 24 October 2020, pp.1-8

**II. An application of speech recognition with support vector machines**

ERAY O., TOKAT S., İPLİKÇİ S.

6th International Symposium on Digital Forensic and Security, ISDFS 2018, Antalya, Turkey, 22 - 25 March 2018, vol.2018-January, pp.1-6

**III. An Application of Speech Recognition with Support Vector Machines**

ERAY O., TOKAT S., İPLİKÇİ S.

6th International Symposium on Digital Forensic and Security (ISDFS), Antalya, Turkey, 22 - 25 March 2018, pp.38-43

**IV. Interval Type-2 Sliding Mode Fuzzy Controller with a Time-varying Sliding Surface**

ERAY O., TOKAT S.

2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.866-871

**V. Using polynomial functions for a time varying sliding surface with angular information**

TOKAT S., ERAY O.

International Workshop on Recent Advances in Sliding Modes, RASM 2015, İstanbul, Turkey, 9 - 11 April 2015

**VI. Using Polynomial Functions for a Time Varying Sliding Surface with Angular Information**

TOKAT S., ERAY O.

International Workshop on Recent Advances in Sliding Modes, İstanbul, Turkey, 9 - 11 April 2015

## Scientific Refereeing

ISA TRANSACTIONS, SCI Journal, May 2023

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, SCI Journal, March 2023

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, SCI Journal, February 2023

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, SCI Journal, January 2023

ISA TRANSACTIONS, SCI Journal, December 2022

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, SCI Journal, December 2022

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, SCI Journal, December 2022

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, SCI Journal, November 2022

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, SCI Journal, September 2022

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, SCI Journal, August 2022

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, SCI Journal, June 2022

## Tasks In Event Organizations

Eray O., Innovations in Intelligent Systems and Applications Conference, Scientific Congress, Antalya, Turkey, Eylül 2022

## Metrics

Publication: 9

Citation (WoS): 17

Citation (Scopus): 29

H-Index (WoS): 3

H-Index (Scopus): 3

## Congress and Symposium Activities

Innovations in Intelligent Systems and Applications Conference, Session Moderator, Antalya, Turkey, 2022  
International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Attendee, İstanbul, Turkey, 2020  
International Symposium on Digital Forensic and Security (ISDFS), Attendee, Antalya, Turkey, 2018  
International Conference on Computer Science and Engineering (UBMK), Attendee, Antalya, Turkey, 2017  
Otomatik Kontrol Türk Milli Komitesi Ulusal Toplantısı (TOK), Attendee, Denizli, Turkey, 2015  
International Workshop on Recent Advances in Sliding Modes (RASM), Attendee, İstanbul, Turkey, 2015