

## Lect. FATİH SERDAR SAYIN

### Personal Information

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### Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Elektrik-Elektronik Mühendisliği (Dr), Turkey 2017 - Continues

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Elektrik-Elektronik Mühendisliği (YI) (Tezli), Turkey 2013 - 2017

Undergraduate, Marmara University, Faculty of Technical Education, Electronic and Computer Education, Turkey 2009 - 2013

### Dissertations

Postgraduate, YENİDOĞAN YOĞUN BAKIM VE NAKİL VENTİLATÖRÜ (YAPAY SOLUNUM CİHAZI) TASARIMI, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), 2017

### Academic Titles / Tasks

Lecturer, Üsküdar Üniversitesi, Sağlık Hizmetleri Meslek Yüksekokulu, Bilgisayar Teknolojileri Bölümü, 2017 - Continues

### Academic and Administrative Experience

Üsküdar Üniversitesi, Sağlık Hizmetleri Meslek Yüksekokulu, Bilgisayar Teknolojileri Bölümü, 2017 - Continues

### Refereed Congress / Symposium Publications in Proceedings

- I. **Controlled Release of Metformin Loaded Polyvinyl Alcohol (PVA) Microbubble/Nanoparticles Using Microfluidic Device for the Treatment of Type 2 Diabetes Mellitus**  
Cesur S., ÇAM M. E., SAYIN F. S., Su S., GÜNDÜZ O.  
8th International Work-Conference on Bioinformatics and Biomedical Engineering, IWBBIO 2020, Granada, Spain, 6 - 08 May 2020, pp.185-193
- II. **Higher Order Spectral Analysis of Ventricular Arrhythmic ECG Signals with MATLAB HOSAToolbox**  
SAYIN F. S., AKGÜN Ö.  
6th International Conference on Control Engineering and Information Technologies, İstanbul, Turkey, 25 - 27 October 2018
- III. **Design, Modelling, Prototyping and Closed Loop Control of a Mechanical Ventilator for Newborn Babies**  
SAYIN F. S., ERDAL H.  
CEIT 2018 6th International Conference on Control Engineering and Information Technology, 25 - 27 October 2018

- IV. **Trajectory Tracking Fuzzy Logic Controller Design and Implementation for Mechanical Ventilation Devices**  
Sayın F. S. , Kamışlıođlu M., Erdal H.  
5th International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 12 - 16 October 2018
- V. **Hand Gesture Recognition by Using sEMG Signals for Human Machine Interaction Applications**  
SAYIN F. S. , Ozen S., BAŞPINAR U.  
Signal Processing - Algorithms, Architectures, Arrangements, and Applications (SPA), Poznan, Poland, 19 - 21 September 2018, pp.27-30
- VI. **Real Time Fuzzy Control Implementantation for Mechanical Ventilation Devices**  
SAYIN F. S. , KAMIŞLIOĐLU M., ERDAL H.  
1st International Conference on Physical Chemistry and Functional Materials, 19 - 21 June 2018
- VII. **Centrifugal Blower Design, CFD Analysis, and Prototyping for Portable Mechanical Ventilators**  
SAYIN F. S. , ERDAL H., ATMACA M.  
1st International Conference on Physical Chemistry and Functional Materials, 19 - 21 June 2018
- VIII. **Bilgisayar Destekli Yenidođan Akciđer Siműlatűrű TasarımıComputer Aided Newborn Lung Simulator Design**  
SAYIN F. S. , ERDAL H.  
Tıp Teknolojileri Ulusal Kongresi, Bodrum, Turkey, 15 - 18 October 2015

## Citations

Total Citations (WOS):5

h-index (WOS):1