

## Res. Asst. PhD Serkan SALTÜRK

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Yildiz Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, Turkey 2016 - 2024

Postgraduate, Yildiz Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, Turkey 2011 - 2015

Undergraduate, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2005 - 2009

### Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Rectorate, Department Of Informatics, 2009 - Continues

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

- I. **Deep learning-powered multimodal biometric authentication: integrating dynamic signatures and facial data for enhanced online security**  
Saltürk S., Kahraman N.  
NEURAL COMPUTING AND APPLICATIONS, vol.36, no.19, pp.11311-11322, 2024 (SCI-Expanded)
- II. **Machine Learning Approach on High Risk Treadmill Exercise Test to Predict Obstructive Coronary Artery Disease by using P, QRS, and T waves' Features**  
Yilmaz A., Hayiroğlu M. İ., Salturk S., Pay L., Demircali A. A., Coşkun C., Varol R., Tezen O., Eren S., Çetin T., et al.  
Current Problems in Cardiology, vol.48, no.2, 2023 (SCI-Expanded)
- III. **An Automated Deep Segmentation and Classification Model for Lumbar Disk Degeneration and Clarification of Its Impact on Clinical Decisions**  
Soydan Z., Bayramoglu E., Karasu R., Sayin I., Saltürk S., Üvet H.  
Global Spine Journal, 2023 (SCI-Expanded)

### Refereed Congress / Symposium Publications in Proceedings

- I. **A Study on Tennis Ball Ground Impact Point Detection**  
Sarıalioğlu O., Balcı İ. C., Sayın İ., Çiçek B., Saltürk S., Üvet H.  
2024 11th International Conference on Electrical and Electronics Engineering (ICEEE), Muğla, Turkey, 22 April

2024, pp.377-381

**II. Heart Rate-Based Prediction of Daily Activity Levels Using Wearable Devices for Home Rehabilitation Process of Cardiac Patients**

SALTÜRK S., ÜVET H., BARMAN H. A., SAYIN İ., BALCI İ. C.

2024 11th International Conference on Electrical and Electronics Engineering (ICEEE), Muğla, Turkey, 22 - 24 April 2024

**III. A PARADIGM SHIFT IN SIGNATURE PROCESSES: IN-AIR SIGNATURES WITH QR CODE INTEGRATION**

Saltürk S., Kahraman N.

IX-INTERNATIONAL EUROPEAN CONFERENCE ON INTERDISCIPLINARY SCIENTIFIC RESEARCH, Valencia, Spain, 19 - 21 January 2024, pp.145

**IV. Target Detection in Hyperspectral Imagery Combining Spectral and Spatial Features**

Saltürk S., Binol H.

International Conference on Future Computational Technologies, İstanbul, Turkey, 30 - 31 May 2016, vol.1, no.1, pp.236-239

## Supported Projects

Saltürk S., Barman H. A., Üvet H., Doğan S. M., TUBITAK Project, Doktorun gözü: Giyilebilir kalp - akciğer takip cihazı, 2023 - 2025

Saltürk S., Üvet H., TUBITAK Project, Teniste Yapay Zeka Destekli Sanal Spor Koçu, 2022 - 2024

Erdem H. H., TUBITAK Project, Termik Santral Performans İzleme ve Değerlendirme Sistemi Tasarımı ve Uygulaması (PERİDSİS), 2011 - 2013

## Metrics

Publication: 7

Citation (Scopus): 14

H-Index (Scopus): 2

## Congress and Symposium Activities

International Conference on Future Computational Technologies, Working Group, İstanbul, Turkey, 2016